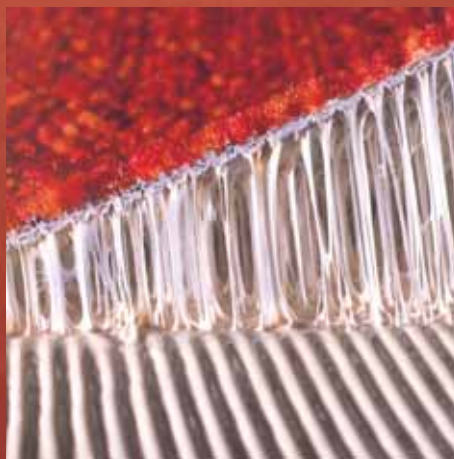




PRODUCTS FOR THE INSTALLATION OF RESILIENT, TEXTILE AND WOOD FLOOR AND WALL COVERINGS



Resilient, textile and wood line

Rubber, linoleum and vinyl are products which have similar performance specifications in common (such as elasticity, flexibility, impermeability, ease of cleaning, insulation against impact noise, resistance to wear and stains, etc) which make them particularly suitable in environments such as hospitals, schools, gymnasiums and industrial facilities and wherever hygiene, functionality, comfort and an attractive finish are required.

Because of their special nature and technical characteristics, these materials require specific substrates, products and laying systems (binders and mortars for screeds, primers, levelling and smoothing compounds and adhesives) which MAPEI, the leading company in this sector for more than fifty years, is able to offer.

Alongside the adhesive range, MAPEI also offers an extremely wide range of admixtures, pre-blended binders and mortars for screeds, primers, insulating materials, consolidators and anti-humidity barriers, as well as smoothing compounds and auxiliary products for the installation of long-lasting floors and resilient materials.



Our commitment to the environment

MAPEI has always been committed to research and development into products which safeguard the environment, the health of those who use them and of those who use the areas where they are applied, and since 1980, they have developed a series of products which emit an extremely low level of volatile organic compounds.

Since October 2005, these products which had already been tested by internationally recognised institutions such as the German TFI (Teppich Forschung Institute) and by the CRI (Carpet and Rug Institute), bear the "EMICODE EC 1 - very low emission level of volatile organic compounds" mark, awarded by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an association which controls the emission levels of products for floors, adhesives and materials for building and of which MAPEI is now an ordinary member.

Maximum emission levels of EMICODE EC1 products:

Residual emission after 10 days: • organic adhesives: < 0.5 mg/m³ • primer: < 0.1 mg/m³ • powder products: screeds/smoothing and leveling compounds, cementitious adhesives: < 0.2 mg/m³.



The **Green Innovation** symbol identifies products with certain characteristics which contribute to achieving eco-sustainable buildings:

- products with an extremely low emission level of volatile organic compounds,
- products with an extremely low emission level of dust during the mixing and storage phases,
- products which avoid the formation of mould when applied in damp environments,
 - products which help to improve environmental wellbeing, for example by improving sound-proofing against the noise created by foot-traffic,
- products based on the use of raw materials from recycled materials, to reduce impact on the environment deriving from the extraction of virgin materials.

For further information about these products, take a look at the technical data sheets provided in folder No. 2 and from MAPEI internet address www.mapei.com.

Admixtures, binders and pre-blended mortars for screeds



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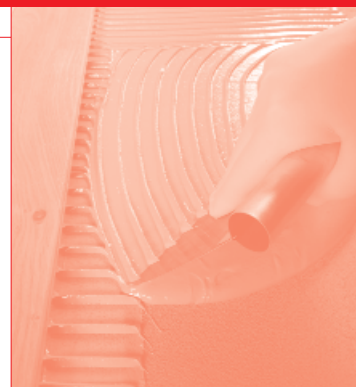
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
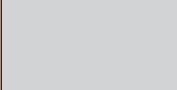
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Selection table of Mapei products for the preparation of screeds with special binders and pre-blended mortars

		MAPEI BINDER OR PRE-BLENDED MORTAR			
		 Topcem	 Topcem Pronto	 Mapecem	 Mapecem Pronto
PREPARATION OF THE MIXTURE					
	To be mixed (1 bag) with 0-8 mm graded aggregate (140-160 kg) and water (10-12 kg)	To be mixed (1 bag) <u>only</u> with water (1.7 litres)	To be mixed (1 bag) with Gravel 0-8 mm or 0-8 mm graded aggregate (80-100 kg) and water (4-8 kg)	To be mixed (1 bag) <u>only</u> with water (2.1-2.3 litres)	
TYPE OF SCREED					
Bonded					
Preparation of the substrate	Application of slurry bond coat: Planicrete: H ₂ O: Topcem = 1 : 1 : 3 or with Eporip	Application of slurry bond coat: Planicrete: H ₂ O: Topcem Pronto = 1 : 1 : 12 or with Eporip	Application of slurry bond coat: Planicrete: H ₂ O: Mapecem 1 : 1 : 2 or with Eporip	Application of slurry bond coat: Planicrete: H ₂ O: Mapecem Pronto 1 : 1 : 8 or with Eporip	
Thickness of the screed	up to 3.5 cm	up to 3.5 cm	up to 3.5 cm	up to 3.5 cm	
Un-bonded					
Preparation of the substrate	Laying of a polyethylene sheet overlapped at least 20 cm on joints, sealed with adhesive tape and rounded along the perimeter. Application along the perimeter and around columns (if any) of compressible material, such as foamed polyester, in thicknesses not lower than 5 mm.				
Thickness of the screed	From 3.5 to 8 cm (for thicknesses higher than 8 cm, pour a light-weight cementitious mixture over which the polyethylene sheet will be placed. Make the screed at least 3.5 cm thick).				
Floating					
Minimum thickness of the screed	At least 4 cm, reinforced with a mesh. The thickness of the screed varies depending on insulating layer compressibility. For more details refer to the MAPEI Technical Service and/or consult the “Installation of Screeds for Laying Floors” Technical Notebook.				
Heating					
Addition of additive to the mixture	no	no	no	no	
Waiting time for the startup cycle	4 d	4 d	1 d	1 d	
Startup cycle	Switch on the heating on minimum temperature. Increase the temperature 5°C every day until reaching the temperature when in service. Keep the temperature on the maximum for some days. Decrease the temperature 5°C every day until the screed reaches 15°-18°C.				
PERFORMANCES					
Waiting time before installing wood and resilients	4 d	4 d	1 d	1 d	
Compressive strength after 28 days (N/mm ²)	≥ 30	≥ 30	≥ 45	≥ 60	

N.B. - THIS TABLE IS MERELY INDICATIVE; FOR FURTHER INFORMATION, REFER TO THE TECHNICAL DATA SHEET FOR EACH PRODUCT

TOPCEM PRONTO, MAPECEM PRONTO AND ALL LEVELLING COMPOUNDS ARE CE MARKED AND CERTIFIED ACCORDING TO THE EUROPEAN CLASSIFICATION FOR PRE-BLENDED MORTARS FOR SCREEDS EN 13813

The European Standard for pre-blended mortars for screeds (EN 13813), "Screed material and floor screeds - Screed material - Properties and requirements", has now become effective. This norm allows to classify the pre-blended mortars on the basis of the nature of the binders employed and on their physical and elasto-mechanical characteristics. This norm has been extended to levelling compounds as well. In particular, the standard symbols illustrated here below have been adopted for TOPCEM PRONTO, MAPECEM PRONTO pre-blended mortars, and the levelling compounds of MAPEI range to indicate the following:



- screeds made using TOPCEM PRONTO, in accordance with the indications contained in the Technical Data Sheet, are class CT (cementitious binder-based), C30 (compressive strength after 28 days equal to at least 30 N/mm²), F6 (flexural strength after 28 days equal to at least 6 N/mm²), A1fl (reaction to fire class);



- screeds made using MAPECEM PRONTO, in accordance with the indications contained in the Technical Data Sheet, are class CT (cementitious binder-based), C60 (compressive strength after 28 days equal to at least 60 N/mm²), F10 (flexural strength after 28 days equal to at least 10 N/mm²), A1fl (reaction to fire class);



- levelling compounds made using ULTRAPLAN, in accordance with the indications contained in the Technical Data Sheet, are class CT (cementitious binder based), C30 (compressive strength after 28 days equal to at least 30 N/mm²), F7 (flexural strength after 28 days equal to at least 7 N/mm²), A2fl (reaction to fire class).

As with adhesives used for ceramic tiles, according to the European Directive 89/106 for products used in construction work, it is also obligatory to apply the CE mark on the packaging of pre-blended mortars for screeds and levelling compounds in order to favour free trade within the member states of the European Community.

The CE mark on the packaging is a guarantee for the user that the manufacturer has respected the following directives:

- the screed and the levelling compound, if made according to the indications contained in the Technical Data Sheet, possesses the mechanical characteristics and belongs to the reaction to fire class indicated by the CE mark;
- the manufacturer has issued a signed Declaration of Compliance (EC Declaration) certificate, with which they assume all responsibility regarding declaration of the CE mark;
- with reference to the "Directive 89/106", the manufacturer is obliged to carry out the same controls as indicated for the CE mark regarding adhesives for ceramic tiles.

Soundproofing systems for flooring

New

Mapesilent Panel



Soundproofing system for floating screeds. Each Mapesilent Panel is composed of a bitumen and special polymer-based elasto-plastomeric membrane with a polyester reinforcement layer, sandwiched together with a resilient layer of polyester fibre.

Where to use:

Mapesilent Panel is used to form an efficient soundproofing system on all types of floor slab according to DPCM 5.12.97. Mapesilent Panel is applied between the structure and the floating screed prior to laying all types of flooring materials.

Technical data:

Tensile strength:

- longitudinal: 700 N/50 mm;
- transvers: 500 N/50 mm.

Resistance to impact: 900 mm.

Resistance to static perforation: 15 kg.

Impermeability to water: > 100 kPa.

Fire resistance: F.

Apparent dynamic rigidity (S't): 11 MN/m³.

Dynamic rigidity for calculation purposes (S'): 22 MN/m³.

Reduction of noise caused by footsteps ($\Delta L'_{nw}$): 27.7 dB.

Thermal resistance (R): 0.13 m² K/W.

Thickness: 13 mm.

Format: 1000 mm x 1000 mm tiles.

Weight: 5 kg/m².

Packaging

pallets containing 75 m².

New

Mapesilent Roll



Soundproofing system for floating screeds consisting of a bitumen and special polymer-based elasto-plastomeric membrane with a polyester reinforcement layer, sandwiched together with a resilient layer of polyester fibre and a surface dressed with a layer of blue non-woven polypropylene fabric.

Technical data:

Tensile strength:

- longitudinal: 700 N/50 mm;
- transvers: 500 N/50 mm.

Impact resistance: 900 mm.

Resistance to static perforation: 15 kg.

Impermeability to water: > 100 kPa.

Fire resistance: F.

Apparent dynamic rigidity (S't): 15 MN/m³.

Dynamic rigidity for calculation purposes (S'): 47 MN/m³.

Reduction of noise caused by footsteps ($\Delta L'_{nw}$): 22.8 dB.

Thermal resistance (R): 0.145 m² K/W.

Thickness: 8 mm.

Format: 1 x 10 m rolls.

Weight: 1.8 kg/m².

Packaging

10 m x 1 m-wide rolls.



New

Mapesilent Band



L-shaped adhesive, closed-cell, expanded polyethylene membrane applied to perimeter walls around the edges of interruptions which pass through screeds to prevent the formation of acoustic bridges.

Where to use:

Mapesilent Band is applied to all the walls around the perimeter of the screed, to form a soundproofing system with **Mapesilent Roll** or **Mapesilent Panel**, and around all the edges of interruptions which pass through the screed to avoid the formation of acoustic bridges.

Technical data:

Thickness: 6 mm.
Width of base: 50 mm.
Height: 100 mm.
Length: 2 m.

Packaging

cardboard boxes containing 110 or 200 pieces 100 mm high and 200 cm wide.

New

Mapesilent Door



U-shaped adhesive, closed-cell, expanded polyethylene membrane applied in correspondence with openings in perimeter walls to avoid the formation of acoustic bridges.

Where to use:

Mapesilent Door is applied to all the openings in perimeter walls around the screed, to form a soundproofing system with **Mapesilent Roll** or **Mapesilent Panel**.

Technical data:

Thickness: 6 mm.
Width of base: 50 mm.
Pitch: 105-110 mm.
Height: 100 mm.
Length: 2 m.

Packaging

cardboard boxes containing 30 50x100 mm pieces.

New

Mapesilent Tape



Adhesive butyl rubber sealant tape with a silver-coloured surface.

Where to use:

Mapesilent Tape is used for sealing the overlapping of different pieces of **Mapesilent Band**, covering and joining the overlapping between **Mapesilent Band** and **Mapesilent Roll** and sealing the joints between **Mapesilent Panel** tiles and **Mapesilent Roll** sheets.

Technical data:

Thickness: 0.6 mm.
Width: 75 mm.
Length: 10 metres.

Packaging

10 m rolls.

Preparation of screeds



Mapefluid N200



Superplasticiser for concrete.

Where to use:

Mapefluid N200 can be used for manufacturing no-slump concrete for screeds by just reducing the w/c ratio therefore reducing the drying time.

Mapefluid N200 is a brown-coloured liquid admixture with a base of polymers in water solution that disperse cement grains. Add **Mapefluid N200** directly to the mixture after all the other ingredients (cement, aggregates, water).

Mapefluid N200 can also be diluted into the mixing water beforehand but its superplasticizing action is less effective.

Dosage

0.5 to 1.5 l per 100 kg of cement (0.4-1.3 l).

Packaging

200 l, 25 and 10 kg drums - 1000 l tanks.
Also available in bulk on request.



Mapefluid PZ500



Superplasticiser with pozzolanic effect for high quality and chemical resistant mortar and concrete.

Where to use:

Mapefluid PZ500 can be used for manufacturing no-slump concrete for screeds by just reducing the w/c ratio therefore reducing the drying time.

Mapefluid PZ500 improves all properties of the concrete. In particular, it provides higher mechanical strength, better waterproofing and durability.

Mapefluid PZ500 must be added to the dry components of the mix (cement and aggregate) before the batching water. The **Mapefluid PZ500** mix is placed and worked like normal concrete.

Dosage

20-60 kg per m³ of mixture.

Packaging

11 kg bags.
Big bags are available on request.





Mapecem



Special hydraulic binder for the preparation of rapid setting and drying (24 hours) screeds with controlled shrinkage.

Where to use:

Formation of floating and bonded screeds on both existing and new slabs for the installation of floors that are moisture sensitive (wood, PVC, linoleum, carpeting, rubber) or any other type of flooring where rapid drying and immediate laying is required.

Mapecem must always be mixed with aggregates. Bonded screeds (less than 3.5 cm thick) and patching require the application of a **Mapecem** and **Planicrete** anchoring slurry. For floating screeds (at least 3.5 cm thick) lay a polyethylene sheet beforehand; for thicknesses of 4-5 cm the aggregates must be graded from 0 to 8 mm in diameter.

Technical data:

Recommended mixture ratio: 350 to 450 kg of **Mapecem** with 1 m³ of aggregate or **Gravel 0/8 mm** and with 80-160 kg of water depending on the aggregate moisture.

Open time of the mixture at +23°C: 20-30 minutes.

Application temperature range: from +5°C to +35°C.

Set to light foot traffic: after 2-3 hours.

Waiting time before installation: 24 hours for resilients and wood.

Residual moisture after 24 h.: less than 2%.

Storage: 12 months.

Consumption

3.5-4.5 kg/m² per cm of thickness.

Packaging

20 kg bags.



Mapecem Pronto



Ready-to-use pre-blended mortar for fast-setting and drying (24 hours) screeds with controlled shrinkage.

Where to use:

Formation of both floating and bonded screeds on existing and new slabs for the installation of wood, PVC, linoleum, carpeting, rubber or any other type of flooring where fast drying or immediate laying is required.

Mapecem Pronto is ready-to-use and must be mixed just with water.

Mapecem Pronto is the ideal solution where good quality graded aggregate is hard to find or for job sites such as those in city centres where the logistics involved in mixing conventional binders can be difficult. Bonded screeds and patching (thicknesses less than 3.5 cm) require the application of a **Mapecem Pronto** and **Planicrete** anchoring slurry. Floating screeds (thicknesses above 3.5 cm) must be laid over a polyethylene sheet.

Technical data:

Mixing ratio: one 25 kg bag of **Mapecem Pronto** with 2.1-2.3 litres of water.

Open time of the mixture: 20-30 minutes.

Application temperature range: from +5°C to +35°C.

Set to light foot traffic: after 2-3 hours.

Waiting time before installation: 24 hours for resilients and wood.

Residual moisture after 24 h.: less than 2%.

Storage: 12 months.

Consumption

20-25 kg/m² per cm of thickness.

Packaging

25 kg bags.



Topcem



Special hydraulic binder for the preparation of normal setting and fast drying (4 days) screeds with controlled shrinkage.

Where to use:

Formation of both floating and bonded screeds on existing and new slabs for the installation of wood, PVC, linoleum, rubber, carpeting or any other flooring where fast drying and laying is required. Bonded screeds (less than 3.5 cm thick) and patching require the application of a **Topcem** and **Planicrete** anchoring slurry. For floating screeds (at least 3.5 cm thick) lay a polyethylene sheet beforehand; for thicknesses of 4-5 cm the aggregates must be graded from 0 to 8 mm in diameter.

Technical data:

Recommended mixture ratio: 200 to 250 kg of **Topcem** with 1 m³ of aggregate (diameter from 0 to 8 mm) and with 120-140 kg of water for dry aggregate.

Open time of the mixture:

40 to 60 minutes.

Application temperature range: from +5°C to +35°C.

Set to light foot traffic: after 12 hours.

Waiting time before installation: 4 days for resilients and wood.

Residual moisture after 4 days: less than 2%.

Storage: 12 months.

Consumption

2-2.5 kg/m² per cm of thickness.

Packaging

20 kg bags.



Topcem Pronto



Ready-to-use pre-blenended mortar for fast-drying (4 days) normal setting screeds with controlled shrinkage with very low emission of volatile organic compounds (VOC).

Where to use:

Formation of both floating and bonded screeds on existing and new slabs for the installation of floors that are moisture sensitive (wood, PVC, linoleum, carpeting, rubber etc.) or any other type of flooring where fast drying and laying is required. **Topcem Pronto** is ready-to-use and must be mixed just with water.

Topcem Pronto is the ideal solution where good quality graded aggregate is hard to find or for job sites such as those in city centres where the logistics involved in mixing conventional binders can be difficult. Bonded screeds and patching (thicknesses less than 3.5 cm) require the application of a **Topcem Pronto** and **Planicrete** anchoring slurry. Floating screeds (thicknesses above 3.5 cm) must be laid over a polyethylene sheet.

Technical data:

Mixing ratio: one 25 kg bag of **Topcem Pronto** with 1.7 l of water.

Open time of the mixture: 40-60'.

Application temperature range: from +5°C to +35°C.

Set to light foot traffic: after 12 hours.

Waiting time before installation: 4 days for resilients and wood.

Residual moisture after 4 days: less than 2%.

EMICODE: EC1 R - very low emission.

Storage: 12 months.

Consumption





18-20 kg/m² per cm of thickness in relation to the degree of compaction.

Packaging

25 kg bags.



Selection tables of Mapei products for the preparation of substrates

Substrates		Repair cracks with Eporip or Eporip Turbo	PRIMERS, INSULATING MATERIALS, CONSOLIDATING MATERIALS AND MOISTURE BARRIERS							
			 Primer G	Primer G Conductive	 Eco Prim T	Mapeprim 1K	Mapeprim SP	Prosfas	Primer EP	Primer MF
FLOORS										
New										
Cementitious screeds		•	•	•	•	•	•	•	•	•
Mapecem, Mapecem Pronto, Topcem, Topcem Pronto* screeds		•	•	•				•	•	
Concrete structures		•	•	•	•	•	•	•	•	•
Anhydrite screeds		•	•	•	•	•		•	•	
Heating screeds		•	•	•	•	•	•		•	
Asphalt screeds			•	•	•	•				
Chipboard or marine plywood			•	•	•	•				
Metal surfaces					•	•				
Existing										
Cementitious screeds and concrete floors		•	•	•	•	•	•	•	•	•
Terrazzo tiles, palladiana tiles			•	•	•	•		•	•	
Ceramic tiles, porcelain tiles			•	•	•	•				
Natural stone			•	•	•	•				
Magnesite surfaces						•		•	•	
Wood			•	•	•	•				
WALLS										
Concrete			•		•	•		•	•	
Cementitious renders			•		•	•		•	•	
Light-weight concrete blocks			•		•	•		•	•	
Gypsum			•		•	•		•	•	
Gypsum board			•		•	•		•	•	
Chipboard			•		•	•				
Ceramic			•			•				
Painted walls					•	•				
STEPS			•		•	•	•			
KEY			<div> This symbol is used to identify MAPEI products which give off a low level of volatile organic compounds (VOC) as certified by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.</div> <div></div> <div>★ Mapecem, Mapecem Pronto, Topcem and Topcem Pronto screeds do not need a consolidating treatment as long as they have been made according to the method suggested on each technical data sheet.</div>							

N.B. - THIS TABLE IS MERELY INDICATIVE; FOR FURTHER INFORMATION, REFER TO THE TECHNICAL DATA SHEET FOR EACH PRODUCT

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●	MAPEI recommended	●●●	Must be mixed with Latex Plus
●●	MAPEI recommended. Admixing with Livigum or Planicrete is recommended	▲	Recommended only when a coat of Primer G , Mapeprim SP or Mapeprim 1K is applied beforehand
■	MAPEI recommended. A coat of Primer G mixed 1 : 1 with water is recommended		

Cleaning materials, primers, insulating materials, consolidating compounds and moisture barriers



Pulicol



Solvent gel to remove adhesives and paint.

Where to use:

- Removal of old natural and synthetic resin based adhesives and paint.
- Cleaning old adhesives from marble and ceramic flooring, levelling compounds, ceramic tiles, mosaic, gypsum, metal, fibre-cement coverings.

After treatment with **Pulicol** wash the surface with water and soda then rinse.

Technical data:

Consistency: gel.

Colour: transparent.

Flammability: yes.

Application temperature range: from +10°C to +35°C.

Waiting time before removal:

- adhesives in water dispersion or in solution: 5 minutes;
- reactive adhesives: 60 minutes.

Storage: 24 months.

Application: by brush.

Consumption

0.3 kg/m².

Packaging

3 and 1 kg drums.



Eporip



Two-component epoxy adhesive for cold joints and sealing of cracks in screeds. Solvent-free.

Where to use:

- Creation of cold joints between fresh and old concrete.
- Stiff sealing of damages or cracks in screeds, cement floors, etc.

When it is necessary to recreate the monolithic property of the structure, apply **Eporip** on clean and dry surfaces.

The substrate must be clean, dry, free from oil, grease, traces of paint and other loose material.

Technical data:

Consistency: Part A: fluid paste; Part B fluid paste.

Colour: Part A: black; Part B: white.

Mixing ratio: Part A : Part B = 3 : 1.

Flammability: no.

Application temperature range:

from +5°C to +30°C.

Setting time: 24 hours.

Workability: 60 minutes.

Open time: 5 hours.

Storage: 12 months.

Application: by brush, trowel or by pouring.

Consumption

0.5-2 kg/m².

Packaging

10 and 2 kg kit.



Eporip Turbo



Very fast hardening two-component polyester resin.

Where to use:

- Sealing cracks in screeds.
- By adding dry sand, **Eporip Turbo** can be used to manufacture mortars for small reparations.

Eporip Turbo hardens in approximately 20 minutes.

Technical data:

Consistency: Part A: fluid paste; Part B: fluid paste.

Colour: Part A: grey; Part B: white.

Mixing ratio: Part A : Part B = 500 : 8.

Flammability: yes.

Application temperature range: from +5°C to +30°C.

Setting time: 20-30 minutes.

Workability: 7 minutes.

Storage: 12 months.

Application: by trowel or by pouring.

Consumption

1.7 kg per litre of cavity to be filled.

Packaging

508 g metal cans
(Part A: 500 g; Part B: 8 g).



Primer G



Synthetic resin based primer in water dispersion with very low emission of volatile organic compounds (VOC).

Where to use:

Treating gypsum or anhydrite surfaces prior to applying cementitious products. Treating cementitious surfaces (cast or precast concrete walls etc.) prior to laying gypsum based plasters. The surfaces to be treated must be clean and porous.

Primer G should be diluted with water from 1:1 to 1:3 to protect old porous floors before levelling, to fix the residual dust and to uniform the substrates absorption prior to levelling or bonding.

Apply on perfectly dry gypsum or anhydrite surfaces (residual moisture less than 0.5%). The substrate must be dry and clean, free from oil, grease, traces of paint and any loose particles.

Technical data:

Consistency: liquid.

Colour: light blue.

Flammability: no.

Application temperature range:

from +5°C to +40°C.

Drying time: 2 hours, varies according to the dilution and absorbency of the substrate.

EMICODE: EC 1 - very low emission.

Storage: 24 months. Protect from frost.

Application: by roller and brush.

Consumption

0.1-0.2 kg/m² depending on the use.

Packaging

25 - 10 - 5 - 1 kg plastic drums.



Eco Prim T



Solvent-free acrylic primer with very low emission of volatile organic compounds (VOC) for porous and non porous surfaces.

Where to use:

All-purpose primer for improving adhesion of levelling compounds on all porous and non-porous surfaces: cement, gypsum, anhydrite, asphalt, wood, terrazzo. Particularly indicated as bonding promoter for smoothing compounds on residues of old adhesives for resilient and textile floorings.

Technical data:

Consistency: liquid.

Colour: white.

Flammability: no.

Application temperature range: from +5°C to +40°C.

EMICODE: EC 1 - very low emission.

Storage: 24 months. Protect from frost.

Application: by roller and brush.

Consumption

0.10-0.20 kg/m².

Packaging

20 and 5 kg drums.



Mapeprim 1K



Solvent-free one-component primer.

Where to use:

- To prepare flat, compact and non porous substrates such as ceramic tile and stone material floor and wall coverings before the application of MAPEI smoothing and levelling compounds,
- Treatment of poured asphalt, wood, chip-board, PVC and linoleum surfaces.
- Protection from moisture for wooden surfaces.

Wait until **Mapeprim 1K** becomes transparent and then apply the smoothing compound. If installation will be carried out after 24 hours of the application of the primer, spread fine sand over the still fresh **Mapeprim 1K** layer. Use **Mapeprim 1K** only over dry surfaces and not subject to rising damp.

Technical data:

Consistency: creamy liquid.

Colour: white light blue.

Flammability: no.

Application temperature range: from +5°C to +35°C.

Waiting time before application of smoothing compound: 1-3 hours.

Maximum time for application of smoothing compound: 24 hours.

Storage: 24 months.

Application: by brush, roller or flat trowel.

Consumption

0.10-0.15 kg/m².

Packaging

5 kg drums.



Mapeprim SP



Solvent-free two-component primer.

Where to use:

Improves the bonding of smoothing and levelling compounds on gypsum and anhydrite, on very flat and compact surfaces such as ceramic tiles and natural stone.

Wait until **Mapeprim SP** becomes transparent before applying levelling compounds.

Use **Mapeprim SP** only on dry surfaces that are not subject to rising damp. The substrate must be dry and clean, free from oil, grease, traces of paint and any other loose particles.

Technical data:

Consistency: Part A: liquid; Part B: liquid.

Colour: Part A: light blue; Part B: white.

Flammability: no.

Application temperature range: from +5°C to +40°C.

Pot life: approx. 1 hour.

Mixing ratio: Part A : Part B = 1 : 1.

Waiting time before application of smoothing compound: between 1 and 3 hours depending on the ambient conditions.

Maximum time for application of smoothing compound: 24 hours.

Storage: 24 months.

Application: by brush, roller or flat trowel.

Consumption

0.10-0.20 kg/m².

Packaging

4 and 2 kg drums.



Profas



Solvent-free silicate based consolidating compound for cementitious substrates.

Where to use:

Consolidation of cementitious substrates with poor consistency even in depth, hardening cementitious screeds that tend to crumble on the surface. To prevent the formation of an anti-adhesive film, sprinkle dry sand on the surface of the final coat to facilitate bonding of the next treatment. The substrate must be dry and clean, free of oil, grease, paint and any loose particles.

Technical data:

Drying time: varies according to the absorbency of the substrate.

Consistency: liquid.

Colour: transparent.

Flammability: no.

Application temperature range: from +5°C to +35°C.

Storage: 24 months. Protect from frost.

Application: by roller, brush or watering can.

Consumption

0.5-0.7 kg/m².

Packaging

25 kg drums.



Primer EP



Two-component waterproofing and consolidating primer, in solvent solution, for screeds and industrial flooring.

Where to use:

- Primer for the consolidation of surfaces of dusty or crumbly cementitious screeds, for anhydrite screeds, radiant heated screeds, old terrazzo tiles, gypsum and gypsum board.
- Waterproofing damp screeds to isolate residual moisture.
- Anti-dust impregnating primer over industrial flooring, garages, raised flooring.

If a levelling compound is used after the application of **Primer EP**, spread dry sand over the just treated surface to create a suitable mechanical key.

The substrate must be dry and clean, free of oil, grease, traces of paint and any loose particles.

Technical data:

Minimum drying time: 24 hours depending on the porosity of the substrate.

Consistency: liquid.

Colour: transparent.

Flammability: yes.

Application temperature range: from +10°C to +40°C.

Pot life of the mixture: 4-5 hours.

Mixing ratio: Part A : Part B = 1 : 1.

Storage: 24 months.

Application: by roller, brush or watering can.

Consumption

0.5-0.7 kg/m².

Packaging

5+5 kg drums.



Primer MF



Solvent-free two-component epoxy primer to be used as an adhesion promoter for products of the Mapefloor range and to consolidate and waterproof cementitious substrates.

Where to use:

- Consolidating primer for poor strength cementitious, radiant heated and anhydrite screeds.
- Consolidating primer with an anti-dust effect for concrete industrial flooring such as garages, warehouses, industries, etc. and of cementitious surfaces before the installation of raised flooring.
- Waterproofer to avoid excess residual rising water in screeds and concrete flooring.

If levelling compounds or adhesives will be used after the application of **Primer MF**, spread **Quartz 1.2** or clean dry sand over the just treated surface in order to improve the adhesion of the products to be applied.

Technical data:

Consistency: liquid.

Colour: transparent yellow.

Flammability: no.

Application temperature range: from +10°C to +35°C.

Waiting time before the installation of floors or application of smoothing compounds: 24-48 hours depending on the temperature.

Pot life: 90 minutes.

Mixing ratio: Part A : Part B = 3 : 1.

Storage: 24 months.

Application: by roller or brush.

Consumption

0.2-0.3 kg/m², this varies according to the substrate absorption.

Packaging

1 kg (A+B) and
6 kg (A+B) units.



Eco Prim PU 1K



One-component, solvent-free, moisture curing polyurethane primer with very low emission of volatile organic compounds (VOC), for consolidating and waterproofing cementitious screeds.

Where to use:

Waterproofing cementitious screeds with a residual moisture content higher than the maximum level recommended for laying resilient floors.
Consolidating unstable and/or mechanically weak substrates.
Anti-dust treatment for cementitious and anhydrite screeds with a disjointed surface.
If smoothing compound or adhesive is to be spread on the surface after applying **Eco Prim PU 1K, Quartz 1.2** or clean, dry sand must be sprinkled on the surface immediately after treatment to improve the bond of successive applications.

Technical data:

Consistency: liquid.

Colour: brown.

Flammability: no.

Application temperature range: from +5°C to +35°C.

Set to light foot traffic: approx. 9-10 hours.

Waiting time before the installation of floors or application of smoothing compounds: 12-36 hours.

EMICODE: EC1 R - very low emission.

Storage: 12 months.

Application: by brush or roller.

Consumption

0.2-0.4 kg/m² per coat.

Packaging

10 kg drums.



Eco Prim PU 1K Turbo



One-component, solvent-free, damp-hardening, rapid-drying polyurethane primer with very low emission of volatile organic compounds (VOC) for consolidating and waterproofing cementitious screeds.

Where to use:

Consolidating and dust-repelling treatments on cementitious, anhydrite and heated substrates with a crumbly surface. Waterproofing cementitious screeds with a residual humidity content higher than the maximum level recommended for laying wooden floors.

If smoothing compound or adhesive is to be spread on the surface after applying **Eco Prim PU 1K, Quartz 1.2** or clean, dry sand must be sprinkled on the surface immediately after treatment to improve the bond of successive layers.

Instead of sprinkling on quartz, bonding of the smoothing compound may be improved by applying a coat of **Eco Prim T** on the surface of **Eco Prim PU 1K** when it is dry and ready to be stepped on (after approximately 2 hours).

Parquet may also be laid without sprinkling on the quartz, as long as the reactive adhesive (**Ultrabond P990 1K, Ultrabond Eco P992 1K, Ultrabond Eco S955 1K, Ultrabond P902 2K, Ultrabond P913 2K** or **Lignobond**) is applied on the final layer of primer within 3 days.

Technical data:

Consistency: liquid.

Colour: brown.

Inflammable: no.

Recommended application temperature range: from +5°C to +35°C.

Set to light foot traffic: after 30-40 minutes.

Waiting time before laying parquet using reactive adhesives: minimum 2 hours, max. 3 days.

Waiting time before laying parquet or smoothing layer on surfaces sprinkled with quartz: 2 hours.

EMICODE: EC1 R - very low emission.

Storage: 12 months.

Application: by roller or brush.

Consumption:

0.1-0.45 kg/m².

Packaging

10 kg drums.



Triblock P



Three-component, epoxy-cementitious primer for waterproofing damp substrates, including non-absorbent ones.

Where to use:

Triblock P is used as a waterproofing system for damp substrates, especially:

- old ceramic or terrazzo floors on substrates with excessive residual moisture;
- cementitious substrates with a moisture content higher than the recommended level for laying wooden or resilient floors.

Triblock P is a three-component epoxy-cementitious system which is diluted with water. It has the capacity of reticulating on even very smooth, damp surfaces and of forming a compact, waterproof layer which is suitable for laying parquet, PVC, linoleum, rubber and cementitious smoothing compounds.

The surface must be dry, clean and free of grease, oil, traces of old paintwork and any other coating which may be removed.

Technical data:

Consistency: component A liquid; component B liquid; component C powder.

Colour: component A white; component B white; component C white.

Inflammable: no.

Recommended application temperature range: from +5°C to +35°C.

Waiting time between the first and second coat: 4-6 hours.

Waiting time before laying floors or smoothing compounds: 18 hours.

Pot life: 30-40 minutes.

Mixing ratio:

comp. A : comp. B : comp. C = 12 : 38 : 50.

Storage: 24 months.

Application: by brush or roller.

Consumption

0.5 kg/m².

Packaging

15 kg drums (A+B+C).



Quartz 1.2



Washed and dried siliceous sand with controlled grading to be used to ensure bonding over resins or epoxy primers.

Where to use:

Can be used in all cases where rough surfaces are absolutely necessary to help the adhesion of smoothing compounds and adhesives over resins or epoxy primers.

Technical data:

Colour: grey - beige.

Grading: 0.7-1.2.

Packaging

25 kg bags.

Mapelay



Waterproof and anti-fracture PVC glass fibre reinforced sheet for interior installation of resilient and textile flooring over substrates that are cracked, dirty, moist and subject to rising damp.

Where to use:

- Installation of resilient or textile flooring over still damp screeds or subject to continuous rising damp.
- Installation of rubber flooring in old industrial buildings where the screeds are soaked with oil and existing residuals of dirt that are very difficult to remove.
- Installation of resilient or textile flooring on cracked screeds where the cracks cannot be repaired because subject to possible movement.
- To temporarily protect all types of new flooring during on-site work.
- Temporary installation of rubber or PVC flooring for sports in places where it is necessary to bring the floor to the previous conditions after the sports event.
- Installation of resilient or textile flooring for a certain time in order to avoid damaging the underneath marble, wood, rubber, etc. flooring.

Technical data:

Length: 25 m.

Width: 2 m.

Thickness: 1.2 mm.

Weight: 1.1 kg/m².

Packaging

25 m rolls.

Weight of roll 57 kg.

Self-levelling smoothing compounds

Ultraplan



Ultra-fast hardening (12 hours) self-levelling smoothing compound for thicknesses from 1 to 10 mm with very low emission of volatile organic compounds (VOC).

Where to use:

- Interior levelling of new or existing substrates, as long as they are not subject to rising damp, to make them ready to receive all types of flooring where a high resistance to traffic and loads is required.
- Levelling existing flooring as long as they are solid, dry and clean.

Ultraplan is applied up to 10 mm thick per coat. The minimum thickness of **Ultraplan** must be 3 mm when a wooden floor is going to be installed.

Technical data:

Consistency: fine powder.

Colour: pinkish-grey.

Pot life: 20-30 minutes.

Setting time: 45-60 minutes.

Set to light foot traffic: 3 hours.

Waiting time before installation: 12 hours.

Application temperature range: from +5°C to +30°C.

Mixing ratio: 25-26 parts water for 100 parts by weight of **Ultraplan**.

EMICODE: EC1 - very low emission.

Storage: 12 months.

Application: with a flat trowel and a pump.

Consumption

1.6 kg/m² per mm of thickness.

Packaging

23 kg bags.



MAGNA STEYR GROUP PLANT - Graz - Vienna
Substrate preparation with: NIVORAPID, ULTRAPLAN,
PRIMER G. Installation of linoleum with AQUACOL T

Ultraplan Eco



Ultra-fast hardening (12 hours) self-levelling smoothing compound for thicknesses from 1 to 10 mm, with very low emission of volatile organic compounds (VOC).

Where to use:

- Interior levelling of new or existing substrates, as long as they are not subject to rising damp, to make them ready to receive all types of flooring where a high resistance to traffic and loads is required.
- Levelling existing flooring as long as they are solid, dry and clean.

Ultraplan Eco is applied with a trowel or with a pump up to 10 mm thick per coat. The minimum thickness of **Ultraplan Eco** must be 3 mm when a wooden floor is going to be installed.

Technical data:

Consistency: fine powder.

Colour: pinkish-grey.

Pot life: 20-30 minutes.

Setting time: 45-60 minutes.

Set to light foot traffic: 3 hours.

Waiting time before installation: 12 hours.

Application temperature range: from +5°C to +30°C.

Mixing ratio: 24-25 parts water for 100 parts by weight of **Ultraplan Eco**.

EMICODE: EC 1 - very low emission.

Storage: 12 months.

Application: with a flat trowel and a pump.

Consumption

1.6 kg/m² per mm of thickness.

Packaging

23 kg bags.



Ultraplan Maxi



Ultra-fast hardening self-levelling smoothing compound for thicknesses from 3 to 30 mm, with very low emission of volatile organic compounds (VOC).

Where to use:

- Interior levelling of new or existing substrates, as long as they are not subject to rising damp, to make them ready to receive all types of flooring where high mechanical strength is required.
- Levelling existing flooring as long as they are solid, dry and clean.

Ultraplan Maxi is applied from 3 to 30 mm per coat.

Technical data:

Consistency: fine powder.

Colour: grey.

Pot life: 30-40 minutes.

Setting time: 60-90 minutes.

Set to light foot traffic: approx. 3 hours.

Waiting time before laying: 24-72 hours

according to thickness and temperature.

Application temperature range:

from +5°C to +30°C.

Mixing ratio: 18-19 parts water for 100 parts by weight of **Ultraplan Maxi**.

EMICODE: EC1 - very low emission.

Storage: 12 months.

Application: with a flat trowel and a pump.

Consumption

1.7 kg/m² per mm of thickness.

Packaging

25 kg bags.



Plano 3



Fast hardening (24-48 hours) self-levelling smoothing compound for thicknesses from 3 to 10 mm, especially suitable for pump applications.

Where to use:

- Interior levelling of new or existing substrates, as long as they are not subject to rising damp, to make them ready to receive all types of flooring where good resistance to traffic and loads is required.
- Levelling existing flooring as long as they are solid, dry and clean.

Especially suitable for the preparation of substrates for raised flooring, since it is also easily applied by pump. It is applied from 3 to 10 mm thick.

Technical data:

Consistency: fine powder.

Colour: pinkish-grey.

Pot life: approximately 20 min.

Setting time: approximately 60-100 min.

Set to light foot traffic: 4-6 hours.

Waiting time before installation: 24-48 hours.

Application temperature range: from +5°C to +35°C.

Mixing ratio: 20-22 parts water for 100 parts by weight of **Plano 3**.

Storage: 12 months.

Application: trowel, double rubber squeegee and pump.

Consumption

1.6 kg/m² per mm of thickness.

Packaging

25 kg bags.



Fiberplan



Fibre-reinforced ultra-fast hardening (12-24 hours) self-levelling smoothing compound for thicknesses from 3 to 10 mm.

Where to use:

Interior smoothing of existing and new wooden flooring, wooden boarding, chip-board panels, ply-wood, that are sufficiently anchored and where a good resistance to loads and traffic is required. Levelling cement, terrazzo, existing ceramic tile and natural stone substrates.

Technical data:

Consistency: fine powder.

Colour: pinkish-grey.

Pot life: 20-30 minutes.

Setting time: 45-60 minutes.

Set to light foot traffic: 3 hours.

Waiting time before installation: 12-24 hours.

Application temperature range: from +5°C to +30°C.

Mixing ratio: 24-26 parts water for 100 parts by weight of Fiberplan.

Storage: 12 months.

Application: flat trowel.

Consumption

1.5 kg/m² per mm of thickness.

Packaging

25 kg bags.



Pianodur R



Ultra-fast setting (12-24 hours) fine grained self-levelling smoothing compound for thicknesses up to 3 mm, suitable for flooring subjected to heavy traffic.

Where to use:

- Interior levelling of new or existing substrates to make them ready to receive all types of resilient or textile flooring even subject to heavy loads.
- Levelling existing flooring in bushammered cement, terrazzo tiles, ceramic tiles and natural stone.

Pianodur R is especially fine grained, so it can be used in minimal or virtually zero thickness, although optimal mechanical strength is reached in thicknesses greater than 1 mm.

Technical data:

Consistency: fine powder.

Colour: grey.

Pot life: 20 to 30 minutes.

Setting time: 50 to 60 minutes.

Set to light foot traffic: 3 hours.

Waiting time before installation: 12-24 hours.

Application temperature range: from +5°C to +35°C.

Mixing ratio: 100 parts by weight of Pianodur R with 30 parts water.

Storage: 12 months.

Application: flat trowel or double rubber squeegee.

Consumption

1.5 kg/m²/mm.

Packaging

22 kg bags.



Planolit



Fast setting (24 hours) self-levelling smoothing compound for thicknesses from 1 to 5 mm.

Where to use:

- Interior levelling of new or existing substrates to make them ready to receive all types of resilient or textile flooring even subject to heavy loads.
- Levelling existing flooring in bushammered cement, terrazzo tiles, ceramic tiles and natural stone.

Technical data:

Consistency: fine powder.

Colour: grey.

Pot life: 15-20 minutes.

Setting time: 60 minutes.

Set to light foot traffic: 4 hours.

Waiting time before installation: 24 hours.

Application temperature range: from +5°C to +35°C.

Mixing ratio: 25 parts water for 100 parts by weight of Planolit.

Storage: 12 months.

Application: flat trowel or double rubber squeegee.

Consumption

1.5 kg/m² per mm of thickness.

Packaging

25 kg bags.



IBEROTEL in Monte Gordo - Portugal
Substrate preparation with: PLANOLIT, PRIMER G
Carpeting and linoleum laid with:
AQUACOL T, ULTRABOND ECO V4 SP

Novoplan 21



Fast hardening self-levelling smoothing compound for thicknesses from 1 to 5 mm.

Where to use:

- Interior levelling of new or existing substrates to make them ready to receive resilient or textile flooring in areas where a good resistance to loads and traffic in offices and public areas is required.
- Levelling existing flooring in terrazzo tiles, ceramic tiles, natural and magnesium stone.

Technical data:

Consistency: fine powder.

Colour: grey.

Pot life: 20-30 minutes.

Setting time: 50-70 minutes.

Set to light foot traffic: 3-4 hours.

Waiting time before installation: 24 hours.

Application temperature range: from +5°C to +35°C.

Mixing ratio: 25 parts water for 100 parts by weight of Novoplan 21.

Storage: 12 months.

Application: flat trowel or double rubber squeegee.

Consumption

1.6 kg/m² per mm of thickness.

Packaging

25 kg bags.



Planopur



Two-component, self-levelling, flexible polyurethane smoothing compound suitable for all types of substrate, especially the deformable kind.

Where to use:

- Smoothing substrates before laying rubber or PVC floor covering with polyurethane or epoxy-polyurethane adhesives, in residential and industrial environments subject to heavy loads.
- Smoothing deformable substrates, such as asphalt and castable concrete.
- Smoothing and waterproof protection layer of metal, aluminium, chipboard and marine plywood before laying resilient floor coverings.
- Smoothing and waterproof protection of substrates sensitive to humidity, such as those in anhydrite and magnesita.

Technical data:

Consistency: component A: liquid; component B: liquid.

Colour: comp. A: beige, comp. B: brown.

Flammability: comp. A: no, comp. B: no.

Mixing ratio: comp. A : comp. B = 6 : 1.

Pot life of mix: 20-25 minutes.

Application temperature range: from +10°C to +30°C.

Set to light foot traffic: after approx. 12 hours.

Waiting time before laying: approx. 15 hours.

Final hardening time: 7 days.

Application: rake or smooth, metal trowel.

Consumption

approx. 1.5 kg/m² per mm of thickness.

Packaging

14 kg kits.



Thixotropic smoothing compounds



Nivorapid



Ultra-fast setting thixotropic cementitious levelling mortar for horizontal or vertical surfaces for thicknesses from 1 to 20 mm, with very low emission of volatile organic compounds (VOC).

Where to use:

Interior smoothing of all substrates normally used in the building industry as long as they are not subject to moisture and are clean, such as:

- concrete slabs and walls, masonry, renders and cementitious screeds, etc.;
- also suitable for existing floor and wall ceramic tile, natural stone and terrazzo coverings;
- suitable for repairing or levelling steps, edges of pillars, depressions and holes in flooring, walls and ceilings. Especially recommended when the substrates need to be covered within a short time.

It is applied from 1 to 20 mm per coat.

Technical data:

Consistency: fine powder.

Colour: grey.

Pot life: 15 minutes.

Setting time: 20 minutes.

Set to light foot traffic: approximately 2 hours.

Waiting time before installation: 24 hours.

Application temperature range: from +5°C to +35°C.

Mixing ratio: 20-22 parts in weight of water for 100 parts of **Nivorapid**.

EMICODE: EC1 R - very low emission.

Storage: 12 months.

Application: flat trowel.

Consumption

1.6 kg/m² per mm of thickness.

Packaging

25 kg bags.





Planipatch



Smoothing, ultra fast setting thixotropic cementitious levelling mortar for horizontal or vertical surfaces (thickness from 0 to 10 mm), with very low emission of volatile organic compounds (VOC).

Where to use:

Interior smoothing of all substrates normally used in the building industry as long as they are not subject to moisture and are clean, such as:

- concrete slabs and walls, masonry, renders and cementitious screeds, etc.;
- also suitable for existing floor and wall ceramic tile, natural stone and terrazzo coverings.

Especially suitable when a very smooth finishing is required and for smoothing-off up to a feather edge. To improve its bonding properties, **Planipatch** can be mixed with **Latex Plus**.

Technical data:

Consistency: fine powder.

Colour: grey.

Pot life: approx. 10 minutes.

Setting time: approx. 25 minutes.

Set to light foot traffic: approx. 2 hours.

Waiting time before installation: 4-6 hours.

Application temperature range: from +5°C to +30°C.

Mixing ratio: 25-27 parts in weight of water for 100 parts of **Planipatch**.

EMICODE: EC1 - very low emission.

Storage: 12 months.

Application: flat trowel.

Consumption

1.5 kg/m² per mm of thickness.

Packaging

25 kg bags.



Pianocem M



Thixotropic cementitious levelling compound for horizontal and vertical surfaces from 1 to 5 mm.

Where to use:

- Internal levelling of new or existing substrates to ready them for receiving covering subject to normal traffic.
- Levelling of existing flooring in bushammered cement, terrazzo tile and cement render levelling compounds, light weight concrete, ceramic tile, existing walls.

To improve the mechanical strength of **Pianocem M**, it is recommended to add 1-2 kg of **Livigum** or **Planicrete** for each 25 kg bag.

Technical data:

Consistency: fine powder.

Colour: cement grey.

Pot life: 4 hours.

Setting time: between 4 and 6 hours depending on the thickness.

Set to light foot traffic:

from 4 to 24 hours, depending of the temperature conditions.

Application temperature range:

from +5°C to +35°C.

Mixing ratio:

100 parts by weight of **Pianocem M** and 28 parts water.

Storage: 12 months.

Application: flat trowel.

Consumption

1.4 kg/m² per mm of thickness.

Packaging

25 kg bags.





Planitex A



Gypsum based adhesive and levelling compound.

Where to use:

High resistance adhesive and levelling compound for:

- installation of gypsum panels for precast partition walls;
- fixing rosettes;
- levelling gypsum or cement based renders, on the latter after a previous application of **Primer G**.

Levelling compounds carried out with **Planitex A** are suitable to receive all types of textile, resilient and wall paper coverings.

Planitex A is used only in interiors for thicknesses from 0 up to 10 mm.

Technical data:

Consistency: powder.

Colour: white.

Pot life: 40 minutes.

Setting time: 70-90 minutes depending on the thickness.

Application temperature range: from +5°C to +35°C.

Mixing ratio: 52 parts water for 100 parts by weight of **Planitex A**.

Storage: 12 months.

Application: flat trowel.

Consumption

1.1 kg/m² per mm of thickness.

Packaging

15 kg bags.



WARNER BROS MULTIPLEX CINEMA - Vicenza - Italy
Substrate preparation with: EPORIP, NIVORAPID,
PIANOCEM F, TRIBLOCK, ULTRAPLAN,
ULTRAPLAN MAXI, PRIMER G
Carpeting laid with ADESILEX VZ

Additives



Latex Plus



Admixture to be mixed with Nivorapid and Planipatch to improve the deformability and adhesion onto difficult surfaces.

Where to use:

Latex Plus mixed with **Nivorapid** or **Planipatch** produces a cementitious levelling compound with such flexibility and high bonding strength to be used in interiors for levelling highly deformable surfaces such as:

- PVC, ceramic tiles, rubber linoleum, strong non-woven;
- properly fixed wood plank flooring, chipboard, plywood;
- metal substrates.

Levelling compounds prepared with **Nivorapid** and **Planipatch** mixed with **Latex Plus** and applied in thicknesses from 3 to 20 mm and from 0 to 10 mm are suitable to receive every type of resilient or textile flooring.

Technical data:

Consistency: liquid.

Colour: white.

Flammability: no

Pot life: 20 minutes

Setting time: 30 minutes.

Set to light foot traffic: after 2 hours.

Application temperature range: from +5°C to +30°C.

Waiting time before bonding: 12-24 hours.

Mixing ratio: 8-8.5 kg of **Latex Plus** per

25 kg bag of **Nivorapid**.

Application: flat trowel.

Consumption

0.6 kg/m² per mm of thickness.

Packaging

10 kg drums.



Livigum



Additive in water dispersion for cementitious smoothing compounds and mortars.

Where to use:

- Additive for improving the mechanical and adhesion strength of cementitious screeds, renders and coatings.
- Additive for the preparation of cement based bonding slurries to form bonded screeds, for filling depressions and repairing parts of screeds.
- Added to levelling compounds such as **Pianocem M**, it improves compressive and abrasive strength.
- Diluted 1:4 - 1:5 with water, it fixes surface dust of screeds before the installation of wooden flooring with vinyl adhesives.

Livigum can be diluted 1:4 - 1:5 with water depending on the type of application.

Technical data:

Consistency: viscose liquid.

Colour: white.

Flammability: no.

Application temperature range: from +5°C to +35°C.

Storage: 12 months. Protect from frost.

Consumption

depending on dilution.

Packaging

25 - 10 - 5 kg drums.



Planicrete



Synthetic rubber latex for improving adhesion and mechanical strength of cementitious mortars.

Where to use:

- Additive for cementitious smoothing compounds. Additive for improving the mechanical and adhesive strength of cementitious mixes for screeds, renders, thin levelling mortars, etc.
- Additive for the preparation of cement based slurries to form bonded screeds, for filling depressions and repairing parts of screeds, cementitious floors etc.
- Additive for spatterdash to provide adhesion key for renders.

Do not use pure **Planicrete** as a primer or slurry, always mix it with Portland cement, or, when required, with **Mapecem** or **Topcem**.

Technical data:

Consistency: liquid.

Colour: greenish white.

Flammability: no.

Application temperature range: from +5°C to +40°C.

Storage: 12 months.

Consumption







depending on dilution and thickness of the mortar.

Packaging

25 - 10 - 5 - 1 kg drums.



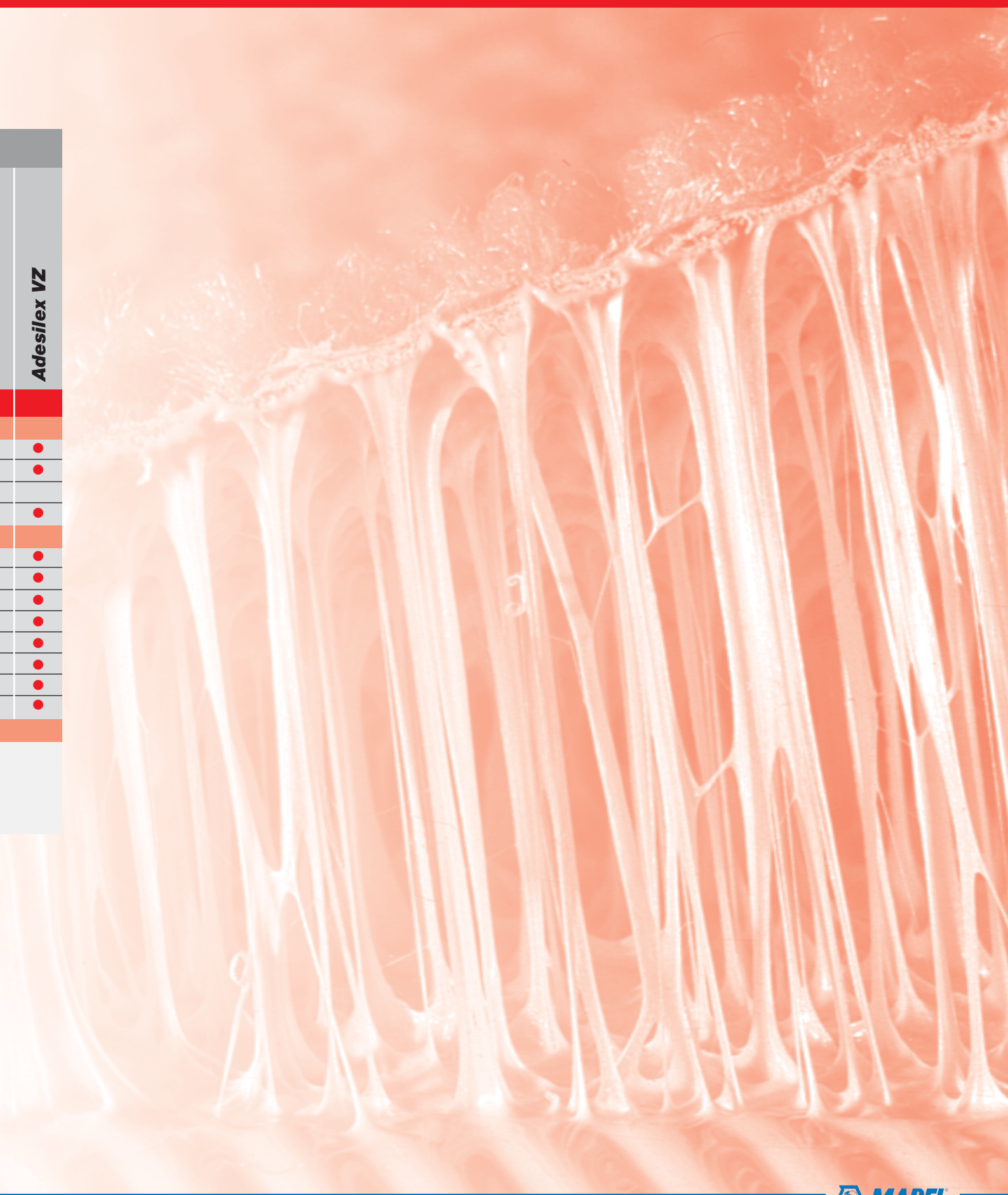
Selection tables of Mapei products for the installation of textile flooring

									
	<i>Ultrabond Eco 170</i>	<i>Ultrabond Eco 185</i>	<i>Aquacol T</i>	<i>Mapecryl Eco</i>	<i>Ultrabond Eco Fix</i>	<i>Rollcoll</i>	<i>Adesilex F57</i>	<i>Adesilex LP</i>	
TEXTILE FLOOR COVERINGS									
Non-woven									
Normal	●	●	●	●		●	●	●	
Latex backed	●	●	●	●		●	●	●	
Polypropylene									
Self-lay tiles					●			●	
Tufted/Punched (type of back)									
Latex		●	●	●		●	●	●	
Latex foam		●	●	●		●	●	●	
Polyurethane foam				●		●		●	
PVC foam								●	
Natural jute		●	●	●		●	●	●	
Action-bac® polypropylene jute		●	●	●		●		●	
Non-woven polyester		●	●	●		●	●	●	
Self-lay tiles					●			●	
KEY	<div>  <p>This symbol is used to identify MAPEI products which give off a low level of volatile organic compounds (VOC) as certified by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.</p> </div> <div>● MAPEI adhesives recommended</div>								

N.B. - THIS TABLE IS MERELY INDICATIVE; FOR FURTHER INFORMATION, REFER TO THE TECHNICAL DATA SHEET FOR EACH PRODUCT

SELECTION TABLE OF MAPEI PRODUCTS FOR THE INSTALLATION OF TEXTILE FLOORING

Adesilex VZ



Eco adhesives

Ultrabond Eco 170



Adhesive in water dispersion with a rapid, high initial bond and very low emission of volatile organic compounds (VOC), specifically formulated for textile floors.

Where to use:

Internal bonding of textile floor coverings with all kinds of backing material, on any kind of absorbent substrate used in the building industry which is stable in the presence of damp.

Technical data:

Consistency: creamy paste.

Colour: light beige.

Inflammable: no.

Recommended application temperature range: from +15°C to +35°C.

Waiting time: from 0 to 20 minutes.

Open time: 30-40 minutes.

Step-on time: after approx. 3 hours.

Waiting time before putting into service: 24 hours.

EMICODE: EC1 - very low emission.

Storage: 12 months. Protect from frost.

Application: notched trowel.

Consumption

0.25-0.40 kg/m².

Packaging

16 kg drums.



Ultrabond Eco 185



Adhesive in water dispersion with high initial tack and very low emission of volatile organic compounds (VOC) for textile floor and wall coverings.

Where to use:

Internal bonding of:

- normal, latex or latex-foam back textile floor coverings;
- natural jute back or polypropylene (Action Bac®) carpet;
- latex and latex-foam back carpets.

Technical data:

Consistency: creamy paste.

Colour: light beige.

Flammability: no.

Application temperature range: from +15°C to +35°C.

Waiting time: from 0 to 10 min.

Open time: maximum 30 min.

Set to light foot traffic: after 2-3 hours.

Ready for use: after 24 hours.

EMICODE: EC 1 - very low emission.

Storage: 24 months. Protect from frost.

Application: notched trowel.

Consumption

0.3-0.45 kg/m².

Packaging

16 kg drums.



CIRCUS - Bonnelles - Belgium

Substrate preparation with: NIVORAPID, ULTRAPLAN, PRIMER G

Carpeting laid with ULTRABOND ECO 185

Aquacol T



Adhesive in water dispersion with very low emission of volatile organic compounds (VOC) for textile floor and wall coverings.

Where to use:

Internal bonding of:

- normal and latex back needlepunch carpets;
- woven carpets;
- natural jute, synthetic and synthetic non-woven back flock carpets, etc;
- latex and latex-back, natural jute, polypropylene jute (Action Bac®) and synthetic non-woven back carpets.

Technical data:

Consistency: creamy paste.

Colour: light beige.

Flammability: no.

Application temperature range: from +15°C to +35°C.

Waiting time: from 0 to 10 min.

Open time: 20-30 min.

Set to light foot traffic: after approx. 2-3 hours.

Ready for use: at least after 24 hours.

EMICODE: EC 1 - very low emission.

Storage: 24 months. Protect from frost.

Application: notched trowel.

Consumption

0.30-0.55 kg/m².

Packaging

25 - 12 - 5 kg drums.



Mapecryl Eco



Acrylic adhesive in water dispersion with very low emission of volatile organic compounds (VOC) for textile floor coverings.

Where to use:

Internal bonding onto absorbent substrates of:

- latex and latex-foam backed, polyurethane foam, natural or synthetic jute-backed and polypropylene (Action Bac®) or synthetic non-woven back carpets;
- normal and latex-backed needlepunch.

Technical data:

Consistency: creamy paste.

Colour: light beige.

Flammability: no.

Application temperature range: from +15°C to +35°C.

Waiting time: 0 to 10 min.

Open time: max. 30 min.

Set to light foot traffic: after 2 hours.

Ready for use: after approx. 24 hours.

EMICODE: EC 1 - very low emission.

Storage: 24 months in original packaging. Protect from frost.

Application: notched trowel.

Consumption

0.25-0.45 kg/m².

Packaging

25 - 16 - 5 kg drums.



Ultrabond Eco Fix



Adhesive in water dispersion with permanent tack and very low emission of volatile organic compounds (VOC) for dry-lay floor tiles. Tiles can be removed and replaced several times.

Where to use:

Internal bonding of:

- dry-lay carpet tiles with all types of backing;
- venetian carpets.

Technical data:

Consistency: creamy paste.

Colour: light beige.

Flammability: no.

Application temperature range: from +15°C to +35°C.

Waiting time: from 30 min. to 12 hours.

Set to light foot traffic: immediately after installation.

Ready for use: immediately after installation.

EMICODE: EC 1 - very low emission.

Storage: 24 months. Protect from frost.

Application: roller and notched trowel.

Consumption

0.10-0.20 kg/m².

Packaging

10 - 5 kg drums.



Adhesives in water emulsion

Rollcoll



Universal acrylic adhesive in water dispersion for textile floor and wall coverings.

Where to use:

Internal bonding of:

- latex and latex-foam backed, polyurethane-foam, natural and synthetic jute-backed, polypropylene (Action Bac®), non-woven polyester-backed carpet;
- normal and latex-backed needlepunch.

Technical data:

Consistency: creamy paste.

Colour: light beige.

Flammability: no.

Application temperature range: from +10°C to +35°C.

Waiting time:

- applied with a trowel: from 0 to 30 min;
- applied with a roller or sprayed: from 0 to 10 min.

Open time:

- applied with a trowel: max 60 min.;
- applied with a roller or sprayed: max 30 min.

Set to light foot traffic: after 2 hours.

Ready for use: after approx. 24 hours.

Storage: 24 months. Protect from frost.

Application: notched trowel, roller or spray.

Consumption

trowel: 0.3-0.4 kg/m²;

roller: 0.20-0.40 kg/m²;

sprayed: 0.25-0.3 kg/m².

Packaging

25 - 12 - 5 - 1 kg drums.





BOEHRINGER MANNHEIM - Milan - Italy
Substrate preparation with: PIANODUR R, PRIMER G
Carpeting laid with ROLLCOLL

Adhesives based on resins in alcohol



Adesilex F57



Adhesive based on synthetic resins in alcohol for textile floor and wall coverings.

Where to use:

Internal bonding of:

- normal, needlepunch and latex textile floor coverings;
- latex and latex-backed, natural jute-backed, polyester non-woven backed punched and tufted carpets.

Technical data:

Consistency: creamy paste.

Colour: beige.

Flammability: yes.

Application temperature range: from +10°C to +35°C.

Waiting time: from 0 to 10 minutes.

Open time: 20 minutes.

Set to light foot traffic: after 2-3 hours.

Ready for use: after approx. 24 hours.

Storage: 24 months.

Application: notched trowel.

Consumption

0.3-0.55 kg/m² (0.6 kg/m² for wheeled chairs).

Packaging

19 and 9 kg drums.



Contact polychloroprene adhesives

ADHESIVES FOR TEXTILE FLOORING

39

Adesilex LP



Double coat polychloroprene adhesive in solvent solution.

Where to use:

Internal bonding of:
• carpet and needlepunch where instant setting is required.

Technical data:

Consistency: viscose liquid.

Colour: beige.

Flammability: yes.

Application temperature range:
from +10°C to +35°C.

Waiting time: approximately
10-20 minutes.

Open time: 5 hours.

Set to light foot traffic: immediately.

Ready for use: several days depending
on the temperature.

Storage: 24 months.

Application: notched and flat trowel.

Consumption

0.20-0.35 kg/m².

Packaging

10 - 5 - 1 kg drums.



Adesilex VZ



Double coat polychloroprene adhesive in solvent solution.

Where to use:

Internal bonding of:
• carpet and needlepunch where instant setting and use of the flooring are required.

Technical data:

Consistency: viscose liquid.

Colour: beige.

Flammability: yes.

Application temperature range:
from +10°C to +35°C.

Waiting time: 10-20 minutes.

Open time: 50 minutes.

Set to light foot traffic: immediately.

Ready for use: several days depending
on the temperature.

Storage: 24 months.

Application: notched and flat trowel.

Consumption










0.2-0.3 kg/m².

Packaging

10 - 5 - 1 kg drums.



Selection tables of Mapei products for the installation of resilient

Substrates										
	 Ultrabond Eco 350	 Ultrabond Eco 380	 Ultrabond Eco V4 SP	 Ultrabond Eco VS90	 Mapecryl Eco	 Ultrabond Eco 520	 Ultrabond Eco 540	 Aquacol T	 Ultrabond Eco 185	
VINYL FLOOR COVERINGS										
Semi-flexible vinyl	●	●	●	●	●					
Homogeneous vinyl	●	●	●	●	●					
Composition vinyl	●	●	●	●	●					
Vinyl on PVC foam	●	●	●	●						
Vinyl on polyurethane foam	●	●	●	●	●					
Polyolefin floors	●	●	●	●						
RUBBER FLOOR COVERINGS										
Civil with flat-back	●		●	●						
"Stud relief" with flat-back	●		●	●						
Oil resistant, etc.										
Lined										
Waffle back for cement installation										
Steps, edges										
LINOLEUM										
Natural jute back						●	●	●		
Synthetic jute back	●		●	●						
Cork linoleum						●	●	●		
CORK										
Natural cork	●		●							
PVC-backed cork	●		●		●					
Painted cork										
COCO										
Natural	●		●		●		●		●	
Latex-primed back	●		●		●		●	●	●	

KEY



This symbol is used to identify MAPEI products which give off a low level of volatile organic compounds (VOC) as certified by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.

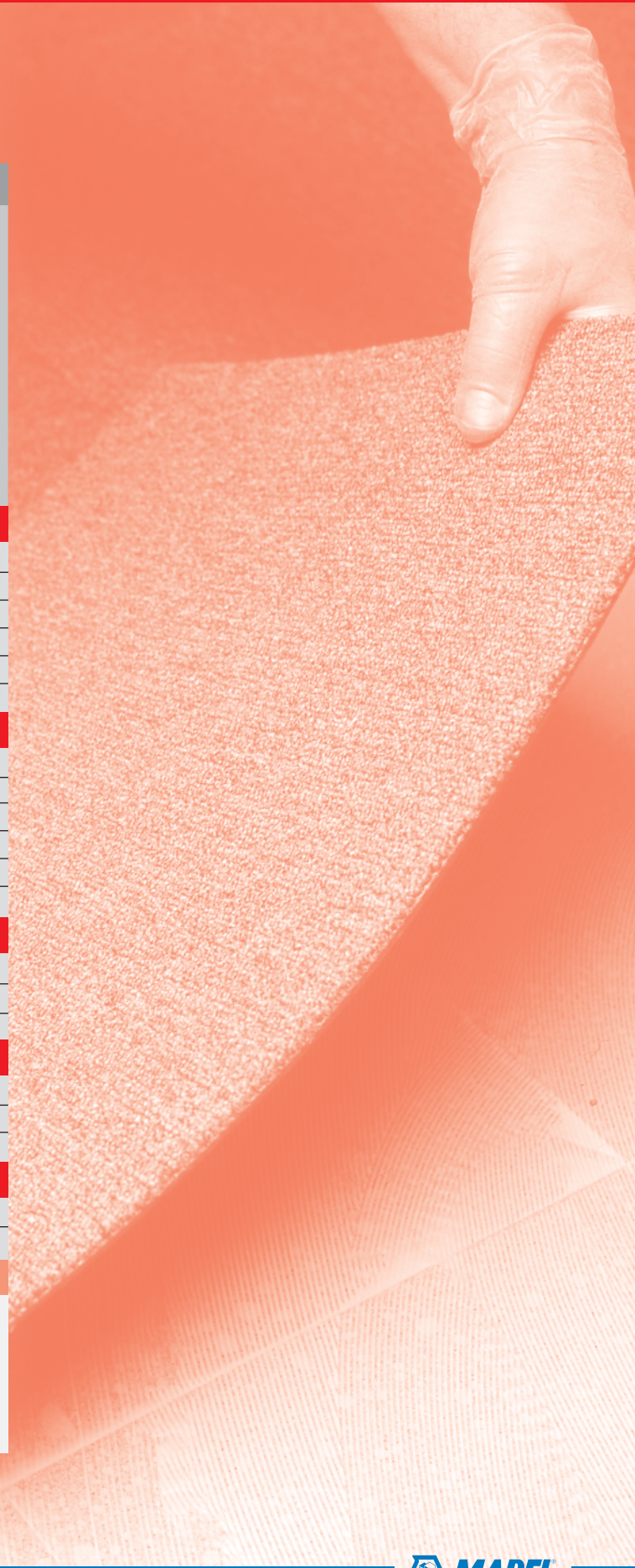


● MAPEI adhesives recommended

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SELECTION TABLE OF MAPEI PRODUCTS FOR THE INSTALLATION OF SOFTFLOORING

	Rollcoll	Adesilex V4	Adesilex F57	Ultrabond Aqua-Contact	Ultrabond Aqua-Contact Cork	Adesilex LP	Adesilex VZ	Adesilex G19 / Adesilex G20	Adesilex UP71	Adesilex G12	Granirapid
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Eco adhesives

Ultrabond Eco 350



Adhesive in water dispersion with very high bonding strength even after an extended open time and with very low emission of volatile organic compounds (VOC) for resilient floor coverings.

Where to use:

Internal bonding of:

- homogeneous and composition vinyl floor coverings in sheets or in tiles;
- semi-flexible vinyl tiles;
- smooth or textured rubber flooring with smooth back for light interior traffic only;
- polyolefin-based floor coverings;
- vinyl flooring on foamed PVC or polyurethane;
- synthetic-jute backed linoleum;
- natural cork and with PVC support;
- natural coconut and with latex back.

Technical data:

Consistency: creamy paste.

Colour: light beige.

Flammability: no.

Application temperature range: from +15°C to +35°C.

Waiting time: from 10 to 20 minutes (30-40 minutes on non-absorbent substrates).

Open time: maximum 60 minutes.

Set to light foot traffic: after 24 hours.

Ready for use: after 72 hours.

EMICODE: EC 1 - very low emission.

Storage: 24 months. Protect from frost.

Application: notched trowel.

Consumption

0.25-0.35 kg/m².

Packaging

16 kg drums.



Ultrabond Eco 380



Adhesive in water dispersion with a rapid, strong initial bond, very long open time and very low emission of volatile organic compounds (VOC), for vinyl floors.

Where to use:

Internal bonding of:

- homogeneous and heterogeneous vinyl floors in sheets or tiles;
- floors in semi-flexible vinyl tiles;
- carpet with latex rubber, foam PVC or polyurethane backing.

Technical data:

Consistency: creamy paste.

Colour: light beige.

Inflammable: no.

Recommended application temperature range: from 15°C to 35°C.

Waiting time: 10-20 min.

Open time: 70 min..

Step-on time: 24 hours.

Set to light foot traffic: after 3-4 hours.

Ready for use: after 48 hours.

EMICODE: EC1 - very low emission.

Storage: 12 months. Protect from frost.

Application: notched trowel.

Consumption

0.25-0.35 kg/m².

Packaging

16 kg drums.



SAN MARTINO REST HOME - Bollate - Italy
Substrate preparation with: NIVORAPID, LIVIGUM,
PIANOCEM F, ULTRAPLAN ECO, PRIMER G.
Rubber laid with ULTRABOND ECO V4 SP

Ultrabond Eco V4 SP



Universal adhesive in water dispersion with extended open time and very low emission of volatile organic compounds (VOC) for resilient flooring.

Where to use:

Internal bonding of:

- homogeneous and composition vinyl floor coverings in sheets or in tiles;
- polyolefin-based flooring;
- PVC foam floor coverings (cushion-floor);
- semi-flexible vinyl tiles;
- vinyl flooring on foamed PVC or polyurethane;
- smooth or textured rubber flooring with smooth back for light interior traffic only;
- synthetic-jute backed linoleum;
- natural cork and with PVC support;
- natural coconut and with latex back.

Technical data:

Consistency: creamy paste.

Colour: light beige.

Flammability: no.

Application temperature range: from +15°C to +35°C.

Waiting time: approximately 10-20 minutes (30-40 minutes on non-absorbent substrates).

Open time: 40-45 minutes.

Set to light foot traffic: after 24 hours.

Ready for use: after 72 hours.

EMICODE: EC 1 - very low emission.

Storage: 24 months. Protect from frost.

Application: notched trowel.

Consumption

0.25-0.4 kg/m²

Packaging

16 - 8 kg drums.



Ultrabond Eco VS90



Multi-purpose, acrylic adhesive in water dispersion with a very low emission level of volatile organic compounds (VOC), for bonding vinyl and rubber floor coverings.

Where to use:

Internal bonding of:

- homogeneous and heterogeneous vinyl floors in sheets or tiles;
- semi-rigid vinyl and PVC floor tiles;
- rubber tiles or rolls (whatever the type of backing material).

Technical data:

Consistency: creamy paste.

Colour: light beige.

Inflammable: no.

Application temperature range: from +15°C to +35°C.

Waiting time: 10-20 minutes.

Open time: 30-40 minutes.

Set to light foot traffic: after 6-8 hours.

Ready for use: 48-72 hours.

EMICODE: EC 1 - very low emission.

Storage: 24 months. Protect from frost.

Application: notched trowel.

Consumption

0.25-0.40 kg/m².

Packaging

16 kg drums.



Mapecryl Eco



Acrylic adhesive in water dispersion with very low emission of volatile organic compounds (VOC) for textile floor coverings.

Where to use:

Internal bonding onto absorbent substrates of:

- homogeneous and composition vinyl floor coverings in sheet or in tiles;
- semi-flexible vinyl flooring;
- vinyl flooring on foamed polyurethane;
- cork flooring with PVC support;
- natural coconut and with latex-back flooring.

Technical data:

Consistency: creamy paste.

Colour: light beige.

Flammability: no.

Application temperature range: from +15°C to +35°C.

Waiting time: 0 to 10 min.

Open time: max. 30 min.

Set to light foot traffic: after 2 hours.

Ready for use: after approx. 24 hours.

EMICODE: EC 1 - very low emission.

Storage: 24 months in original packaging.

Protect from frost.

Application: notched trowel.

Consumption

0.25-0.45 kg/m².

Packaging

25 - 16 - 5 kg drums.



Ultrabond Eco 520



Adhesive in water dispersion with a rapid, high initial bond and very low emission of volatile organic compounds (VOC), specifically formulated for linoleum floors.

Where to use:

Internal bonding of:
- linoleum floors with a natural jute backing.

Technical data:

Consistency: creamy paste.

Colour: light beige.

Inflammable: no.

Recommended application temperature range: from 15°C to 35°C.

Waiting time: from 0 to 20 minutes.

Open time: 30-40 minutes.

Set to light foot traffic: after approx. 3 hours.

Ready for use: 24 hours.

EMICODE: EC1 - very low emission.

Storage: 24 months. Protect from frost.

Application: notched trowel.

Consumption

0.25-0.40 kg/m².

Packaging

16 kg drums.



Ultrabond Eco 540



Adhesive in water dispersion with very low emission of volatile organic compounds (VOC) specifically formulated for installing linoleum flooring.

Where to use:

Internal bonding of:

- natural-jute back linoleum flooring;
- cork linoleum, natural cork, natural coconut and latex-back.

Technical data:

Consistency: creamy paste.

Colour: light beige.

Flammability: no.

Application temperature range:

from +15°C to +35°C.

Waiting time: from 0 to 10 minutes.

Open time: 15 to 20 minutes.

Set to light foot traffic: approximately 3 hours.

Ready for use: after 24 hours.

EMICODE: EC 1 - very low emission.

Storage: 24 months. Protect from frost.

Application: notched trowel.

Consumption

0.3-0.5 kg/m².

Packaging

16 kg drums.



Aquacol T



Adhesive in water dispersion with very low emission of volatile organic compounds (VOC) for textile floor and wall coverings.

Where to use:

Internal bonding of:

- synthetic jute-back linoleum flooring;
- linoleum-cork sheet flooring;
- latex-back coconut flooring;
- textile wall coverings such as needlepunch, needlepunch on foam, latex needlepunch, wall carpets.

Technical data:

Consistency: creamy paste.

Colour: light beige.

Flammability: no.

Application temperature range:

from +10°C to +35°C.

Waiting time: from 0 to 10 minutes.

Open time: 20-30 minutes.

Set to light foot traffic: after approx. 2-3 hours.

Ready for use: at least after 24 hours.

EMICODE: EC 1 - very low emission.

Storage: 24 months. Protect from frost.

Application: notched trowel.

Consumption

0.3-0.55 kg/m².

Packaging

25 - 12 - 5 kg drums.



Ultrabond Eco 185



Adhesive in water dispersion with high initial tack and very low emission of volatile organic compounds (VOC) for coconut flooring.

Where to use:

Internal bonding of:

- natural coconut or latex-back floor coverings.

Technical data:

Consistency: creamy paste.

Colour: light beige.

Flammability: no.

Application temperature range:

from +15°C to +35°C.

Waiting time: from 0 to 10 minutes.

Open time: maximum 30 minutes.

Set to light foot traffic: after 2-3 hours.

Ready for use: after 24 hours.

EMICODE: EC 1 - very low emission.

Storage: 24 months. Protect from frost.

Application: notched trowel.

Consumption

0.30-0.45 kg/m².

Packaging

16 kg drums.



Adhesives in water emulsion



Rollcoll



Universal acrylic adhesive in water dispersion for vinyl floor and wall coverings.

Where to use:

Internal bonding of:

- homogeneous and composition PVC flooring;
- semi-flexible vinyl flooring and on foam polyurethane;
- natural cork and PVC-backed flooring;
- latex-primed back natural coconut-fibre flooring.

Technical data:

Consistency: creamy paste.

Colour: light beige.

Flammability: no.

Application temperature range: from +15°C to +35°C.

Waiting time:

- applied with a trowel: from 0 to 30 min;
- applied with a roller or sprayed: from 0 to 10 min.

Open time:

- applied with a trowel: max 60 min.;
- applied with a roller or sprayed: max 30 min.

Set to light foot traffic: after 2 hours.

Ready for use: after approx. 24 hours.

Storage: 24 months. Protect from frost.

Application: trowel, roller or spray.

Consumption

trowel: 0.3-0.4 kg/m²;
roller: 0.20-0.40 kg/m²;
sprayed: 0.25-0.3 kg/m².

Packaging

25 - 12 - 5 - 1 kg drums.



Adesilex V4



Universal acrylic adhesive in water dispersion for resilient flooring.

Where to use:

Internal bonding of:

- homogeneous and composition PVC floor tiles and sheet;
- vinyl flooring on foam PVC or polyurethane;
- semi-flexible vinyl tiles;
- synthetic jute-back linoleum;
- PVC-backed natural cork;
- latex-primed back natural coconut-fibre.

Technical data:

Consistency: creamy paste.

Colour: white.

Flammability: no.

Application temperature range: from +15°C to +35°C.

Waiting time: from 0 to 10 minutes.

Open time: max 30 minutes.

Set to light foot traffic: after approx. 2-4 hours.

Ready for use: after 24-48 hours.

Storage: 24 months. Protect from frost.

Application: notched trowel.

Consumption

0.30-0.35 kg/m².

Packaging

25 - 12 - 5 - 1 kg drums.



Adhesives based on resins in alcohol



Adesilex F57



Adhesive based on synthetic resins in alcohol for textile floor and wall coverings.

Where to use:

- Internal bonding of:
- natural jute-back linoleum flooring;
 - linoleum-cork and natural cork flooring;
 - natural coconut-fibre flooring.

Technical data:

Consistency: creamy paste.

Colour: beige.

Flammability: yes.

Application temperature range:

from +10°C to +35°C.

Waiting time: from 0 to 10 minutes.

Open time: 20 minutes.

Set to light foot traffic: after 2-3 hours.

Ready for use: after approx. 24 hours.

Storage: 24 months.

Application: notched trowel.

Consumption

0.3-0.55 kg/m² (0.6 kg/m² for wheeled chairs).

Packaging

19 and 9 kg drums.



Contact polychloroprene and elastomeric adhesives

Ultrabond Aqua-Contact



Solvent-free double coat elastomer adhesive in water dispersion for the installation of floor and wall coverings, where instant bonding is required.

Where to use:

Internal bonding of:

- Vinyl, rubber, linoleum and cork (PVC-backed or painted) floor and wall coverings on non-absorbent or uneven surfaces;
- PVC and rubber steps, skirtings and angles.

Technical data:

Consistency: creamy paste.

Colour: white.

Flammability: no.

Application temperature range: from +10°C to +35°C.

Waiting time: 30-60 minutes.

Set to light foot traffic: immediately.

Ready for use: several days depending on the temperature.

Storage: 24 months. Protect from frost.

Application: notched and flat trowel and brush.

Consumption

0.3-0.4 kg/m².

Packaging

5 - 10 kg drums.



Ultrabond Aqua-Contact Cork



Elastomeric, solvent-free, double-coat adhesive in water dispersion for laying floors and walls in natural cork where an immediate bond is required.

Where to use:

For bonding internal floors and walls in natural and pre-painted cork.

Technical data:

Consistency: creamy paste.

Colour: white.

Flammability: no.

Application temperature range: from +10°C to +35°C.

Waiting time: 50-60 minutes.

Open time: 3 hours.

Set to light foot traffic: immediately.

Ready for use: immediately.

EMICODE: EC1 - very low emission.

Storage: 12 months (protect from frost).

Application: notched and flat trowel and brush.

Consumption

0.15-0.25 kg/m².

Packaging

5 kg drums.





Adesilex LP



Double coat polychloroprene adhesive in solvent solution for vinyl and rubber floor and wall coverings.

Where to use:

Internal bonding of:

- rubber, PVC, linoleum and cork floor and wall coverings where instant bonding is required;
- rubber and PVC skirtings, baseboards and profiles.

Technical data:

Consistency: viscose liquid.

Colour: beige.

Flammability: yes.

Application temperature range: from +10°C to +35°C.

Waiting time: approximately 10-20 minutes.

Open time: 5 hours.

Set to light foot traffic: immediately.

Ready for use: several days depending on the temperature.

Storage: 24 months.

Application: notched and flat trowel.

Consumption

0.2-0.35 kg/m².

Packaging

10 - 5 - 1 kg drums.



Adesilex VZ



Double coat polychloroprene adhesive in solvent solution for the installation of floor and wall coverings where instant bonding is required.

Where to use:

Bonding of:

- PVC on curved surfaces;
- PVC floor and wall coverings where instant bonding is required or on non absorbent surfaces;
- PVC backed wood or cork floor and wall coverings;
- linoleum and rubber flooring.

Technical data:

Consistency: viscose liquid.

Colour: beige.

Flammability: yes.

Application temperature range: from +10°C to +35°C.

Waiting time: 10-20 minutes.

Open time: 50 minutes.

Set to light foot traffic: immediately.

Ready for use: several days depending on the temperature.

Storage: 24 months.

Application: notched and flat trowel.

Consumption

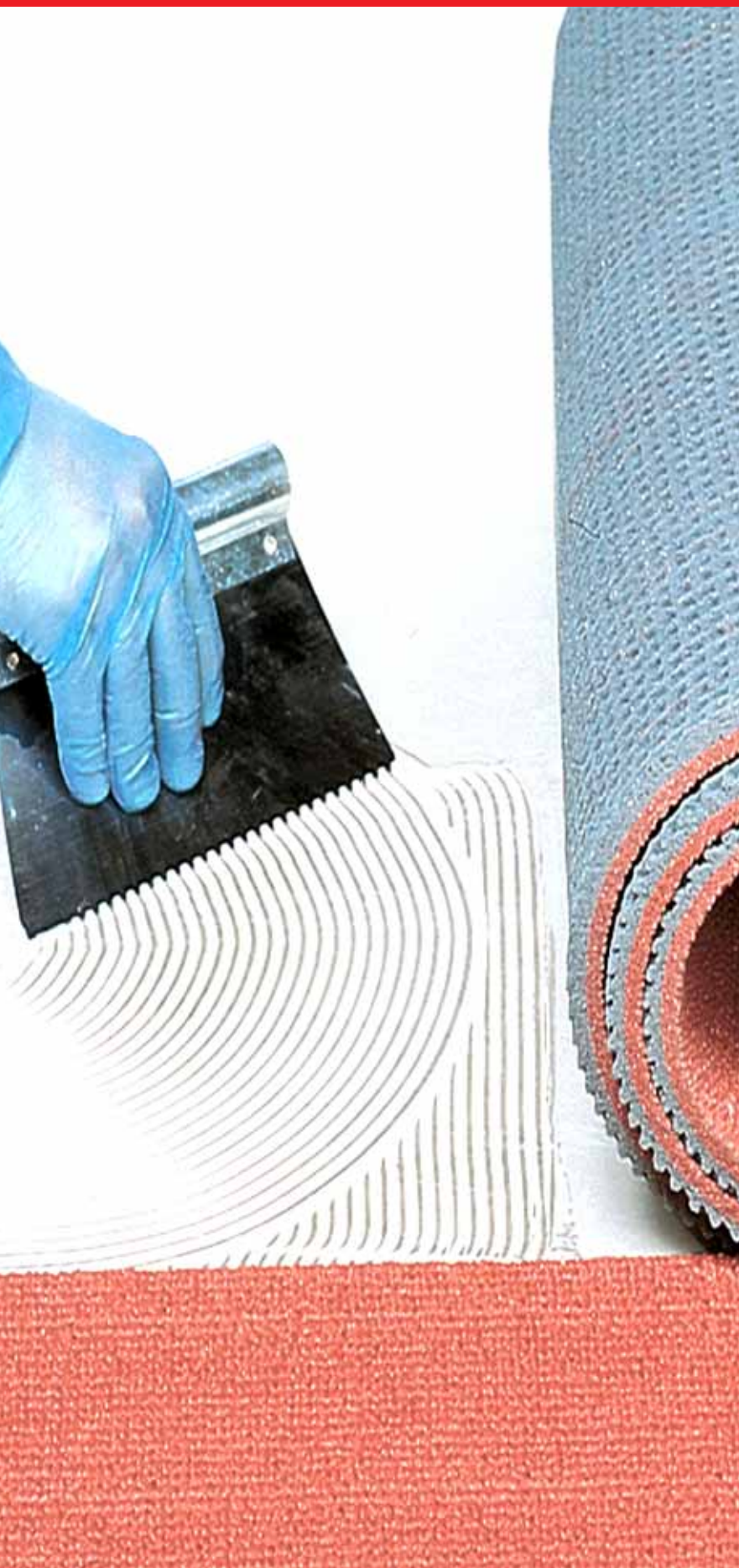
0.2-0.3 kg/m².

Packaging

10 - 5 - 1 kg drums.



Two-component epoxy-polyurethane, polyurethane and epoxy adhesives



Adesilex G19



Two-component epoxy-polyurethane adhesive for rubber or PVC flooring.

Where to use:

Bonding of:

- tile or sheet rubber flooring (with flat-back or canvas imprint or stalk back) for interiors and exteriors, subject to heavy and intense traffic;
- rubber flooring for athletic complexes (e.g. tracks);
- homogeneous and composition PVC flooring and PVC foam-backed;
- semi-flexible vinyl flooring;
- rubber and PVC flooring on old existing flooring.

Technical data:

Consistency: Part A: thick paste; Part B: fluid liquid.

Colour: Part A: beige, red, green, black; Part B: straw yellow.

Flammability: Part A: no; Part B: no.

Mixture ratio: Part A : Part B = 94 : 6.

Pot life: 50-60 minutes.

Application temperature range: from +10°C to +30°C.

Open time: 1 hour.

Setting time: 9 hours.

Set to light foot traffic: after 12-24 hours.

Ready for use: after 3 days at +23°C.

Storage: 24 months.

Application: notched trowel.

Consumption

0.4-1.0 kg/m².

Packaging

10 - 5 and 2 kg drums.



PALERMO UNDERGROUND STATION - Italy
Substrate preparation with: MAPECEM.
Tile rubber installation with ADESILEX G19

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LINATE AIRPORT - Milan - Italy
PVC installation with ADESILEX G19

Adesilex G20



Low viscosity two-component epoxy-polyurethane adhesive.

Where to use:

- Bonding of:
- thin rubber flooring;
 - homogeneous, composition and semiflexible PVC flooring.

Technical data:

Consistency: Part A: thick paste; Part B: fluid liquid.

Colour: Part A: beige; Part B: transparent.

Flammability: no.

Mixture ratio: Part A : Part B = 94 : 6.

Pot life: 40-50 minutes.

Application temperature range: from +10°C to +30°C.

Open time: 1 hour.

Setting time: 10 hours.

Set to light foot traffic: after 12-24 hours.

Ready for use: after 3 days at +23°C.

Storage: 24 months.

Application: notched trowel and roller.

Consumption

0.35-0.50 kg/m²

Packaging

10 and 5 kg drums.



Adesilex UP71



Water and solvent-free two-component polyurethane adhesive for bonding rubber and PVC flooring in interiors.

Where to use:

Internal bonding onto absorbent and non-absorbent substrates of:

- tile or sheet rubber flooring (with any type of back) also for areas subject to heavy and intense traffic;
- homogeneous, composition PVC and PVC foam-backed flooring;
- semi-flexible vinyl flooring.

Technical data:

Consistency: Part A: thick paste; Part B: fluid liquid.

Colour:

- Part A: grey;
- Part B: brown.

Flammability: no.

Mixture ratio: part A : part B = 86 : 14.

Pot life: approximately 30 minutes.

Application temperature range:

from +5°C to +30°C.

Open time: 50 to 60 minutes.

Setting time: approximately 4 hours.

Set to light foot traffic: after 12-24 hours.

Ready for use: after 3 days.

EMICODE: EC1 R - very low emission.

Storage: 12 months.

Application: trowel.

Consumption

0.35-1 kg/m².

Packaging

10 and 5 kg drums.



Adesilex G12



Two-component epoxy adhesive for the installation of rubber flooring.

Where to use:

Bonding of:

- tile or sheet rubber flooring (with flat-back or canvas imprint or stalk back) for interiors and exteriors subject to heavy and intense traffic;
- oil resistant rubber flooring.

Technical data:

Consistency: Part A: thick paste; Part B: thick paste.

Colour:

- Part A: light brown;
- Part B: dark brown.

Flammability: Part A: no; Part B: yes.

Mixture ratio: Part A : Part B = 1 : 1.

Pot life: 60-70 minutes.

Application temperature range:

from +15°C to +30°C.

Open time: 1 hour.

Setting time: 9-10 hours.

Set to light foot traffic: after 12-24 hours.

Ready for use: after 3 days.

Storage: 24 months.

Application: notched trowel.

Consumption

0.5-1.4 kg/m².

Packaging

20 kg drums (10+10).





Granirapid



Two-component cement based adhesive system with rapid hydration, suitable for waffle-back for cement installations (thickness of adhesive up to 10 mm).

Where to use:

Bonding of internal, external and areas subject to heavy traffic of rubber waffle-back for cement installation floor coverings (stalk-back or dove-tailed), which have good stability on all traditional substrates as long as they are solid and clean. The installation of waffle-back for cement floor covering must be carried out using the double coat method.

Technical data:

Consistency: Part A: powder; Part B: thick liquid.

Colour: Part A: grey and white; Part B: white.

Flammability: no.

Mixture ratio: Part A: 25 kg + Part B: 5.5 kg.

Pot life: 45 minutes.

Application temperature range: from +5°C to +30°C.

Open time: 20 minutes.

Setting time: 2 hours.

Set to light foot traffic: 3-4 hours.

Ready for use: 24 hours.

Available colours: grey and white.

EMICODE: EC1 - very low emission.

Storage: 12 months.

Application: notched trowel.

Consumption

12-15 kg/m².

Packaging

Granirapid white: 28 kg kits

Part A: 22.5 kg bags;

Part B: 5.5 kg drum.





Granirapid grey: 30.5 kg kits

Part A: 25 kg bag;


Part B: 5.5 kg drum.



Selection tables of Mapei products for the installation of sports flooring

		 Ultrabond Eco V4 SP	 Adesilex UP71	 Adesilex G19 Adesilex G20	 Ultrabond Turf EP 2K	 Ultrabond Turf PU 2K	 Ultrabond Turf PU 1K
RUBBER FLOORING							
Sports rubber in interiors		●	●	●			
Sports rubber in exteriors			●	●			
VINYL FLOORING							
Sports vinyl floor in interiors		●	●	●			
FLOORING IN SYNTHETIC GRASS							
Synthetic grass					●	●	●
LINOLEUM							
Linoleum in interiors			●	●			

KEY



This symbol is used to identify MAPEI products which give off a low level of volatile organic compounds (VOC) as certified by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.

● MAPEI adhesives recommended

N.B. - THIS TABLE IS MERELY INDICATIVE; FOR FURTHER INFORMATION, REFER TO THE TECHNICAL DATA SHEET FOR EACH PRODUCT

SELECTION TABLE OF MAPEI PRODUCTS FOR THE INSTALLATION OF SPORTS FLOORING

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Products for the installation of PVC and rubber

Adesilex G19



Two-component epoxy-polyurethane adhesive.

Where to use:

Bonding of:

- tile or sheet rubber flooring (with flat-back or canvas imprint or stalk back) for interiors and exteriors, subject to heavy and intense traffic;
- homogeneous and composition PVC flooring and PVC foam-backed;
- semi-flexible vinyl flooring;
- rubber and PVC flooring on old existing flooring.

N.B.: upon request also available in the rapid version for application temperatures lower than +15°C (minimum +5°C).

Technical data:

Consistency: Part A: thick paste; Part B: fluid liquid.

Colour: Part A: beige, red, green, black; Part B: straw yellow.

Flammability: Part A: no; Part B: no.

Mixture ratio: Part A : Part B = 94 : 6.

Pot life: 50-60 minutes.

Application temperature range: from +15°C to +30°C.

Open time: 1 hour.

Setting time: 9 hours.

Set to light foot traffic: after 12-24 hours.

Ready for use: after 3 days at +23°C.

Storage: 24 months.

Application: notched trowel.

Consumption

0.4-1.0 kg/m².

Packaging

10 - 5 and 2 kg drums.



Adesilex G20



Low viscosity two-component epoxy-polyurethane adhesive.

Where to use:

Bonding of:

- thin rubber flooring;
- homogeneous, composition and semiflexible PVC flooring.

Technical data:

Consistency: Part A: thick paste; Part B: fluid liquid.

Colour: Part A: beige; Part B: transparent.

Flammability: no.

Mixture ratio: Part A : Part B = 94 : 6.

Pot life: 40-50 minutes.

Application temperature range: from +10°C to +30°C.

Open time: 1 hour.

Setting time: 10 hours.

Set to light foot traffic: after 12-24 hours.

Ready for use: after 3 days at +23°C.

Storage: 24 months.

Application: notched trowel and roller.

Consumption

0.35-0.50 kg/m²

Packaging

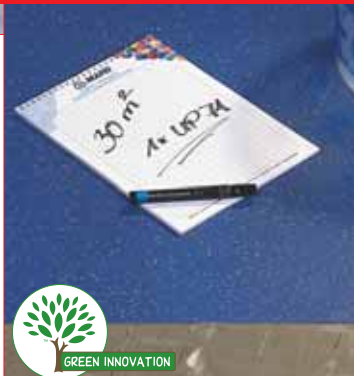
10 and 5 kg drums.



SYDNEY OLYMPIC
STADIUM - Australia
Installation of rubber with
ADESILEX G19



Adesilex UP71



Water and solvent-free two-component polyurethane adhesive for bonding rubber and PVC flooring in interiors.

Where to use:

Internal bonding onto absorbent and non-absorbent substrates of:

- tile or sheet rubber flooring (with any type of back) also for areas subject to heavy and intense traffic;
- homogeneous, composition PVC and PVC foam-backed flooring;
- semi-flexible vinyl flooring.

Technical data:

Consistency: part A: thick paste; part B: fluid liquid.

Colour:

– part A: grey;
– part B: brown.

Flammability:

no.

Mixture ratio: Part A : Part B = 86 : 14.

Pot life: approximately 30 minutes.

Application temperature range:

from +5°C to +30°C.

Open time: 50 to 60 minutes.

Setting time: approximately 4 hours.

Set to light foot traffic: after 12-24 hours.

Ready for use: after 3 days.

EMICODE: EC1 R - very low emission.

Storage: 12 months.

Application: trowel.

Consumption

0.35-1 kg/m².

Packaging

5 kg drums.



Mapelay



Waterproof and anti-fracture PVC glass fibre reinforced sheet for interior installation of resilient and textile flooring over substrates that are cracked, dirty, moist and subject to rising damp.

Where to use:

- Installation of resilient or textile flooring over still damp screeds or subject to continuous rising damp.
- Installation of rubber flooring in old industrial buildings where the screeds are soaked with oil and existing residuals of dirt that are very difficult to remove.
- Installation of resilient or textile flooring on cracked screeds where the cracks cannot be repaired because subject to possible movement.
- To temporarily protect all types of new flooring during on-site work.
- Temporary installation of rubber or PVC flooring for sports in places where it is necessary to bring the floor to the previous conditions after the sports event.
- Installation of resilient or textile flooring for a certain time in order to avoid damaging the underneath marble, wood, rubber, etc. flooring.

Technical data:

Length: 25 m.

Width: 2 m.

Thickness: 1.2 mm.

Weight: 1.1 kg/m².

Packaging

25 m rolls.

Weight of roll 57 kg.



Ultrabond Eco V4 SP



Universal adhesive in water dispersion with extended open time and very low emission of volatile organic compounds (VOC) for resilient flooring.

Where to use:

- Internal bonding of:
- homogeneous and composition vinyl floor coverings in sheets or in tiles;
 - polyolefin-based flooring;
 - PVC foam floor coverings (cushion-floor);
 - semi-flexible vinyl tiles;
 - vinyl flooring on foamed PVC or polyurethane;
 - smooth or textured rubber flooring with smooth back for light interior traffic only;
 - synthetic-jute backed linoleum;
 - natural cork and with PVC support;
 - natural coconut and with latex back.

Technical data:

Consistency: creamy paste.

Colour: light beige.

Flammability: no.

Application temperature range:

from +15°C to +35°C.

Waiting time: approximately

10-20 minutes (30-40 minutes on non-absorbent substrates).

Open time: 40-45 minutes.

Set to light foot traffic: after 24 hours.

Ready for use: after 72 hours.

EMICODE: EC 1 - very low emission.

Storage: 24 months. Protect from frost.

Application: notched trowel.

Consumption

0.25-0.4 kg/m²

Packaging

16 - 8 kg drums.



Products for the installation of synthetic grass

Ultrabond Turf PU 2K



Two-component, solvent and water-free polyurethane adhesive with very low emission of volatile organic compounds (VOC) for bonding synthetic grass surfaces.

Where to use:

Bonding jointing strips between synthetic grass panels. It is particularly recommended and for those subjects who are allergic to epoxy or epoxy-polyurethane products. It is particularly suitable for bonding at low temperatures.

Technical data:

Consistency: component A: thick paste; component B: fluid liquid.

Colour: component A: green; comp B: brown.

Inflammable: no.

Mixing ratio:

component A : component B = 90 : 10.

Pot life of mix: 30 minutes.

Application temperature range: from 0°C to +35°C.

Open time: 50-60 minutes.

Set to light foot traffic: after 12-24 hours.

EMICODE: EC1 R - very low emission.

Storage: 12 months.

Application: n° 3 or n° 4 notched trowel.

Consumption

0.4-0.5 kg per metre of 40 mm-wide jointing strip (10 kg of product for 20-25 metres length).

Packaging

10 and 5 kg drums.



Ultrabond Turf PU 1K



One-component, epoxy-polyurethane adhesive with very low emission of volatile organic compounds (VOC) for bonding synthetic grass surfaces.

Where to use:

Bonding jointing strips between synthetic grass panels. It is particularly recommended for those subjects who are allergic to epoxy or epoxy-polyurethane products.

This adhesive is a one-component ready-to-use product and does not require a catalyser. Therefore, blending errors are avoided and the product may be used several times.

It is particularly suitable at low temperatures.

Technical data:

Consistency: creamy paste.

Colour: green.

Inflammable: no.

Application temperature range: from 0°C to +35°C.

Open time: 80-100 minutes.

Set to light foot traffic: 12 hours.

EMICODE: EC1 R - very low emission.

Storage: 12 months.

Application: n° 3 or n° 4 notched trowel.

Consumption

0.30-0.40 kg per metre of 40 mm-wide jointing strip (15 kg of product for 40 metres length).

Packaging

15 and 7 kg drums and 600 ml aluminium soft cartridges.



MEAZZA STADIUM - Milan - Italy
Installation of synthetic grass with ADESILEX G19

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Ultrabond Turf EP 2K



Two-component epoxy-polyurethane adhesive for bonding synthetic grass surfaces.

Where to use:

Bonding jointing strips between synthetic grass panels.

Technical data:

Consistency: component A: paste; component B: fluid liquid.

Colour: component A: green; comp B: transparent.

Inflammable: no.

Mixing ratio:

component A : component B = 94 : 6.

Pot life of mix: 45 minutes.

Application temperature range: from +10°C to +30°C.

Open time: 1 hour.

Set to light foot traffic: after 24 hours.

Storage: 24 months.

Application: n° 3 or n° 4 notched trowel.

Consumption

0.4-0.5 kg per metre of 40 mm-wide jointing strip (10 kg of product for 22-25 metres length).

Packaging

10 kg drums.



Ultrabond Turf Tape 100



Jointing tape for joining panels of synthetic grass and for marking out pitches for various sports activities.

Technical data:

Thickness: 0.100 mm.

Width of roll: 400 mm.

Length of roll: 300 m.

Selection tables of Mapei products for the installation of conductive flooring

Substrates

CONDUCTIVE FLOORS

Conductive linoleum floors
 Conductive rubber floors
 Conductive vinyl floors
 Conductive textile floors (non-woven and textile)



Ultrabond Eco V4 Conductive

Aquacol T Conductive

Adesilex VZ Conductive

Adesilex G19 Conductive

KEY



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● MAPEI adhesives recommended

**N.B. - THIS TABLE IS MERELY INDICATIVE;
 FOR FURTHER INFORMATION, REFER TO THE
 TECHNICAL DATA SHEET FOR EACH PRODUCT**

Besides the above mentioned products, the installation of conductive flooring can be carried out with MAPEI products mixed with the conductive additive MAPELECTRIC CP1 in the following amount:

Products	kg of MAPELECTRIC CP1	Electrical resistance MOhm
10 kg of Primer G	2.5	0.005
12 kg of Aquacol T	2.5	0.060
16 kg of Ultrabond Eco 350	3.75	0.070
16 kg of Ultrabond Eco V4SP	5	0.005
16 kg of Ultrabond Eco 185	3.75	0.05
10 kg di Ultrabond Eco Fix	3.75	0.005

SELECTION TABLE OF MAPEI PRODUCTS FOR THE INSTALLATION OF CONDUCTIVE FLOORING

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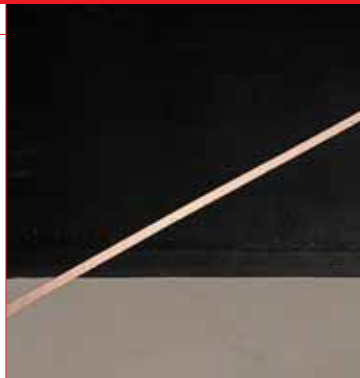


Conductive primers

Conductive additives

Eco adhesives

Primer G Conductive



Dark coloured solvent-free synthetic resin based conductive primer in water dispersion.

Where to use:

Treating cement, anhydrite and gypsum surfaces prior to the application of Mapei conductive adhesives for the installation of conductive textile, PVC, rubber and linoleum floor and wall coverings. The surfaces must be clean, absorbent and perfectly dry.

Technical data:

Consistency: liquid.

Colour: black.

Flammability: no.

Application temperature range: from +5°C to +40°C.

Drying time: minimum 2 hour.

Electrical resistance: 50,000 ohm.

Storage: 24 months. Protect from frost.

Application: brush.

Consumption

0.10-0.15 kg/m²

Packaging

10 kg drums.



Mapelectric CP1



Solvent-free conductive additive to be added to primers, smoothing compounds and adhesives used for the installation of textile, resilient, conductive and static dissipative flooring.

Where to use:

Installation of conductive or static-dissipative floors in EPA environments (electrostatic protective area) according to CEI EN 61340-5-1 norms such as:

- electronic (and kinds) industries: manufacturing of semi-conductive components, circuits, PC and their assembly, telephone exchanges and mail sorting, radar stations, computer centres, etc.;
- surgery rooms, intensive care, tomography, magnetic resonance, analysis labs, etc.;
- chemical-pharmaceutical industries: manufacturing of chemical products in the presence of flammable or explosive powder and/or solvents, ammunition and explosive factories, etc.;
- printing shops with the presence of solvents, battery charging rooms, sterile rooms, raised flooring on all normal absorbent and moisture resistant substrates used in building.

Technical data:

Consistency: creamy paste.

Colour: black.

Density: 1.05 kg/dm³.

pH: no.

Flammability: no.

Packaging

2.5 kg drums.



Ultrabond Eco V4 Conductive



Light coloured acrylic adhesive in water dispersion with very low emission of volatile organic compounds (VOC) for the installation of conductive flooring.

Where to use:

Internal bonding of conductive flooring in:

- all areas where electrostatic charges may cause fire or disturb electric and electronic equipment (for example: in surgery rooms, chemical laboratories and factories, areas with electronic instruments, computer centres, etc.) such as:
 - conductive vinyl flooring;
 - rubber flooring;
 - conductive non-woven flooring;
 - conductive carpets.

Technical data:

Consistency: creamy paste.

Colour: light grey.

Flammability: no.

Application temperature range: from +15°C to +35°C.

Waiting time: from 0 to 10 minutes.

Open time: 15 minutes.

Set to light foot traffic: after 2-4 hours.

Ready for use: after approximately 24-48 hours.

Electrical resistance: 100,000 ohm.

EMICODE: EC 1 - very low emission.

Storage: 24 months. Protect from frost.

Application: notched trowel.

Consumption

0.3-0.4 kg/m².

Packaging

16 kg drums.



Adhesives in water emulsion

PRODUCTS FOR THE INSTALLATION OF CONDUCTIVE FLOORING

63

Aquacol T Conductive



Conductive solvent-free fast setting synthetic resin adhesive in water dispersion.

Where to use:

Internal bonding on absorbent substrates of:

- conductive carpet and non-woven flooring;
- conductive linoleum flooring.

Technical data:

Consistency: creamy paste.

Colour: light grey.

Flammability: no.

Application temperature range:

from +15°C to +35°C.

Waiting time: from 0 to 10 minutes.

Open time: approx. 20 minutes.

Set to light foot traffic: after 3-4 hours.

Ready for use: 24-48 hours.

Electrical resistance: 50,000 ohm.

Storage: 24 months. Protect from frost.

Application: notched trowel.

Consumption

0.5-0.6 kg/m².

Packaging

12 kg drums.



Contact polychloroprene adhesives



Adesilex VZ Conductive



Double coat polychloroprene adhesive for conductive flooring.

Where to use:

Bonding of:

- conductive textile flooring;
- conductive vinyl flooring;
- conductive rubber flooring in surgery rooms, chemical laboratories and factories, areas with electronic equipment, computer centres, etc.;
- corners, skirtings in PVC or conductive rubber;
- copper strips.

Technical data:

Consistency: thick liquid.

Colour: black.

Flammability: yes.

Application temperature range: from +10°C to +35°C.

Waiting time: maximum 20 minutes.

Set to light foot traffic: immediately.

Ready for use: several days depending on the temperature.

Electrical resistance: 50,000 ohm.

Storage: 24 months.

Application: notched and flat trowel.

Consumption

0.25-0.40 kg/m².

Packaging

10 kg drums.



ELEMASTER COMPANY - Lomagna (Lecco) - Italy
Preparation of screed with TOPCEM, EPORIP,
ULTRAPLAN and PRIMER G, installation of conductive with
ADESILEX G19 CONDUCTIVE and ADESILEX VZ CONDUCTIVE

Two-component epoxy-polyurethane adhesives

PRODUCTS FOR THE INSTALLATION OF CONDUCTIVE FLOORING

65

Adesilex G19 Conductive



Two-component epoxy-polyurethane adhesive for conductive rubber and PVC flooring.

Where to use:

Bonding of conductive flooring in:

- all areas where electrostatic charges may cause fire or disturb electric and electronic equipment (for example: in surgery rooms, chemical laboratories and factories, areas with electronic instruments, computer centres, etc.) such as:
 - conductive rubber;
 - conductive PVC;
 - conductive linoleum.

Technical data:

Consistency: Part A: thick paste; Part B: fluid liquid.

Colour: Part A: black; Part B: straw yellow.

Flammability: no.

Mixture ratio: Part A : Part B = 90 : 10.

Pot life: 30-40 minutes.

Application temperature range: from +15°C to +30°C.

Open time: 50 minutes.

Setting time: 5 hours.

Set to light foot traffic: 12-24 hours.

Ready for use: after 3 days.

Electrical resistance: 150,000 ohm.

Storage: 24 months.

Application: notched trowel.

Consumption

0.3-0.45 kg/m².

Packaging

5 kg drums.



Selection tables of Mapei products for the installation of wall coverings

Substrates								
	Adesilex MT32	Adesilex TDV	Adesilex VS45	Rollcoll	Adesilex F57	Ultrabond Aqua-Contact	Adesilex LP	Adesilex VZ
WALL COVERINGS								
Paper backed								
Thick wall paper	●	●						
Vinyl paper	●	●						
Flock	●	●						
Textiles on paper	●	●						
Non-woven on paper	●	●						
Textiles								
Natural textiles	●							
Vinyl textiles	●							
Non-woven				●	●	●	●	●
Non-woven material on foam or film	●			●	●	●	●	●
Textiles on polyester back	●	●		●	●	●	●	●
Glass fibre	●	●						
Wall carpeting	●			●	●	●	●	●
Synthetic resins								
PVC foam	●		●			●	●	●
Homogeneous and composition PVC			●	●		●	●	●
PVC foam on polyester	●		●	●		●	●	●
Polystyrene foam lining			●	●		●		
Cork								
Natural cork				●	●	●	●	●
Backed cork			●			●	●	●
KEY	● MAPEI adhesives recommended							

N.B. - THIS TABLE IS MERELY INDICATIVE; FOR FURTHER INFORMATION,
REFER TO THE TECHNICAL DATA SHEET FOR EACH PRODUCT



Adhesives in water emulsion

Adesilex MT32



Adhesive in water dispersion for the installation of wall coverings.

Where to use:

Internal bonding of:

- wall coverings including vinyl wall paper, flocked, woven and non-woven with paper backing;
- textiles, vinyl textiles, non-woven material on foam or film, textiles on polyester;
- glass cloth textiles;
- PVC foam and PVC foam on polyester wall coverings.

Technical data:

Consistency: creamy paste.

Colour: white.

Flammability: no.

Application temperature range: from +15°C to +35°C.

Waiting time: from 0 to 10 minutes.

Open time: maximum 30 minutes.

Storage: 24 months. Protect from frost.

Application: notched trowel, roller and brush.

Consumption

0.15-0.25 kg/m².

Packaging

20 - 10 - 5 - 1 kg drums.



Adesilex TDV



Ready-to-use adhesive in water dispersion for laying fabric and fibreglass coverings.

Where to use:

For laying the following materials on internal walls:

- fibreglass fabrics, both pre-painted and those to be painted over;
- dressing material in non-woven fabric to be painted over.

Technical data:

Consistency: creamy paste.

Colour: white.

Flammability: no.

Application temperature range: from +10°C to +35°C.

Waiting time: 0-10 minutes.

Open time: 20 minutes.

Waiting time before painting: 24 hours.

Storage: 24 months (protect from frost).

Application: by roller or serrated trowel.

Consumption

0.15-0.25 kg/m².

Packaging

20 - 10 - 5 kg drums.





CHAMBER OF COMMERCE in Milan - Italy
Wall covering laid with ADESILEX MT32

Adesilex VS45



Acrylic adhesive in water dispersion for the installation of PVC wall coverings.

Where to use:

Internal bonding of:

- PVC foam wall coverings;
- homogeneous and composition PVC wall coverings;
- PVC foam on polyester;
- PVC backed cork wall coverings.

Technical data:

Consistency: creamy paste.

Colour: white.

Flammability: no.

Application temperature range:

from +15°C to +35°C.

Waiting time: from 0 to 15 minutes.

Open time: maximum 30-40 minutes.

Storage: 24 months. Protect from frost.

Application: notched trowel.

Consumption

0.25-0.45 kg/m².

Packaging

25 - 12 - 5 - 1 kg drums.



Rollcoll



Universal acrylic adhesive in water dispersion for vinyl and textile wall coverings.

Where to use:

Internal bonding of:

- wall coverings such as non-woven also on foam or film, textiles on polyester, wall carpets;
- natural cork and PVC-backed wall coverings.

Technical data:

Consistency: creamy paste.

Colour: light beige.

Flammability: no.

Application temperature range:

from +15°C to +35°C.

Waiting time:

– applied with a trowel: from 0 to

30 minutes;

– applied with a roller or sprayed: from

0 to 10 minutes.

Open time:

– applied with a trowel: max 60 minutes;

– applied with a roller or sprayed: max

30 minutes.

Ready for use: after approx. 24 hours.

Storage: 24 months. Protect from frost.

Application: notched trowel, roller or spray.

Consumption

trowel: 0.3-0.4 kg/m²;

roller: 0.20-0.40 kg/m²;

sprayed: 0.25-0.3 kg/m².

Packaging

25 - 12 - 5 - 1 kg drums.



Adhesives based on resins in alcohol

Adesilex F57



Adhesive based on synthetic resin in alcohol for textile and linoleum wall coverings.

Where to use:

Internal bonding of:

- wall coverings such as non-woven, felt, wall carpets;
- natural cork wall coverings.

Technical data:

Consistency: creamy paste.

Colour: beige.

Flammability: yes.

Application temperature range:

from +15°C to +35°C.

Waiting time: from 0 to 10 minutes.

Open time: 20 minutes.

Ready for use: after approx. 24 hours.

Storage: 24 months.

Application: notched trowel.

Consumption

0.3-0.55 kg/m² (0.6 kg/m² for wheeled chairs).

Packaging

19 and 9 kg drums.



Ultrabond Aqua-Contact



Solvent-free double coat elastomer adhesive in water dispersion for the installation of wall coverings, where instant bonding is required.

Where to use:

Internal bonding of:

- vinyl and rubber wall coverings on non absorbent or uneven surfaces.

Technical data:

Consistency: creamy paste.

Colour: white.

Flammability: no.

Application temperature range: from +15°C to +35°C.

Waiting time: 30-60 minutes.

Set to light foot traffic: immediately.

Ready for use: several days depending on the temperature.

Storage: 24 months. Protect from frost.

Application: notched and flat trowel and brush.

Consumption

0.3-0.4 kg/m²

Packaging

5 - 10 kg drums.



Adesilex LP



Double coat polychloroprene adhesive in solvent solution.

Where to use:

Internal bonding of:

- rubber, PVC, linoleum and cork wall coverings where instant bonding is required;
- rubber and PVC skirtings, baseboards and profiles.

Technical data:

Consistency: viscose liquid.

Colour: beige.

Flammability: yes.

Application temperature range:

from +15°C to +35°C.

Waiting time: approximately 10-20 minutes.

Open time: 5 hours.

Set to light foot traffic: immediately.

Ready for use: several days depending on the temperature.

Storage: 24 months.

Application: notched and flat trowel.

Consumption

0.2-0.35 kg/m².

Packaging

10 - 5 - 1 kg drums.



Adesilex VZ



Double coat polychloroprene adhesive in solvent solution.

Where to use:

Bonding of:

- PVC on curved surfaces;
- PVC floor and wall coverings where instant bonding is required or on non absorbent surfaces;
- PVC backed wood or cork floor and wall coverings.

Technical data:

Consistency: viscose liquid.

Colour: beige.

Flammability: yes.

Application temperature range:

from +15°C to +35°C.

Waiting time: 10-20 minutes.

Open time: 50 minutes.

Set to light foot traffic: immediately.

Ready for use: several days depending on the temperature.

Storage: 24 months.

Application: notched and flat trowel.

Consumption



0.2-0.3 kg/m².

Packaging

10 - 5 - 1 kg drums.



Selection tables of Mapei products for the installation of skirtings and profiles

Substrates							
	Ultradond Super Grip	Ultradond Eco 575	 Ultradond P990 1K	Ultradond P997 1K T	Ultradond Aqua-Contact	Adesilex VZ	Adesilex LP
SKIRTINGS AND PROFILES							
Textile and cork	●	●			●	●	●
Stiff PVC	●	●			●	●	●
Plastified PVC	●				●	●	●
Wood	●	●	●	●	●	●	●
KEY	<div>  <p>This symbol is used to identify MAPEI products which give off a low level of volatile organic compounds (VOC) as certified by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.</p> </div> <div> <p>● MAPEI adhesives recommended</p> </div>						

N.B. - THIS TABLE IS MERELY INDICATIVE; FOR FURTHER INFORMATION, REFER TO THE TECHNICAL DATA SHEET FOR EACH PRODUCT



Eco adhesives

Adhesives in water emulsion

Ultrabond Eco 575



High performance adhesive in water dispersion with very low emission of volatile organic compounds (VOC) for bonding skirtings.

Where to use:

Ultrabond Eco 575 can be used for bonding skirtings in stiff PVC, wood, carpet applied on the back of the skirting or directly on the wall. Apply enough on the back of the skirting or directly onto the substrate to allow the adhesive to transfer to both surfaces. Depending on the height of the skirting, apply one or more lines 5 mm in diameter.

Technical data:

Consistency: creamy paste.

Colour: beige.

Flammability: no.

Application temperature range: from +5°C to +35°C.

Open time: approximately 25 minutes.

Final hardening time: 24 hours.

Storage: 24 months. Protect from frost.

Application: extrusion from the cartridge.

Consumption

– 325 ml cartridge: approximately 12 m per line.

Packaging

325 ml cartridges.



Ultrabond Super Grip



White, general purpose acrylic adhesive in water dispersion with a high initial blocking capacity.

Where to use:

internal bonding of:

- Profiles and skirting boards in wood, meta, rubber and PVC.
- Profiles and decorative panels in polystyrene, gypsum, wood and foam polyurethane.
- Wood, chipboard, plasterboard, PVC and cork dressing materials.

Technical data:

Consistency: creamy paste.

Colour: white.

Inflammable: no.

Recommended application temperature range: from +10°C to +35°C.

Open time: 10-15 minutes.

Complete hardening time: 24-48 hours.

Storage: 24 months. Protect from frost.

Application: extruded from tube.

Consumption

310 tubes: approximately 15 m for each bead.

Packaging

310 tubes.



One-component polyurethane adhesives

ADHESIVES FOR SKIRTINGS AND PROFILES

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Ultrabond P990 1K



Ready-to-use polyurethane one-component, solvent-free, elastic adhesive for all types of wooden and laminate flooring.

Where to use:

Bonding of wooden skirting.

Technical data:

Consistency: creamy paste.

Colour: beige and brown.

Flammability: no.

Application temperature range: from +10°C to +35°C.

Open time: 110 minutes.

EMICODE: EC1 R - very low emission.

Storage: 12 months.

Application: notched trowel.

Consumption

0.8-1 kg/m².

Packaging

15 and 7 kg in aluminium bags contained in plastic drums.
Carton containing twenty 600 cc aluminium soft cartridges.



Ultrabond P997 1K T



Solvent-free, single component, ready-to-use, thixotropic polyurethane adhesive for laying wooden steps.

Where to use:

Laying wooden uprights treads and stairs. Also suitable for bonding wooden baseboards and for laying pre-finished, three-layered parquet with beads of adhesive.

Technical data:

Consistency: thixotropic paste.

Colour: ochre.

Inflammable: no.

Recommended application temperature range: from +10°C to +35°C.

Open time: approx. 100 minutes.

Step-on time: after 12 hours.

Polishing: after 3 days.

Storage: 12 months.

Application: by extrusion.

Consumption

- installing wooden stairs: the yeald is ca. 2 m² each soft cartridge (diagonal bead with the distance of 5-10 cm);
- installing pre-finished parquet with three layers: the yeald is ca. 4/6 m² each soft cartridge (diagonal bead with the distance of 10-15 cm);
- installing wood skirtings: the yeald is ca. 15 ml each soft cartridge.

Packaging

boxes containing 20 aluminium soft cartridges, each one containing 600 c.c.



Contact polychloroprene adhesives



Ultrabond Aqua-Contact



Instant setting solvent-free double coat elastomer adhesive in water dispersion.

Where to use:

Internal bonding of:

- steps, skirtings, angles in PVC and rubber.

Technical data:

Consistency: creamy paste.

Colour: white.

Flammability: no.

Application temperature range:

from +10°C to +35°C.

Waiting time: 30-60 minutes.

Ready for use: immediately.

Storage: 24 months. Protect from frost.

Application: notched and flat trowel and brush.

Consumption

0.3-0.4 kg/m²

Packaging

5 - 10 kg drums.



Adesilex VZ



Immediate setting double coat polychloroprene adhesive in solvent solution.

Where to use:

Bonding of:

- PVC profiles;
- PVC or linoleum on curved surfaces or where instant bonding is required;
- skirtings, baseboards, angles, step protectors, etc.

Technical data:

Consistency: viscose liquid.

Colour: beige.

Flammability: yes.

Application temperature range:

from +10°C to +35°C.

Waiting time: 20 minutes.

Ready for use: immediately.

Storage: 24 months.

Application: notched and flat trowel.

Consumption

0.2-0.3 kg/m².

Packaging

10 - 5 - 1 kg drums.



Adesilex LP



Immediate setting double coat polychloroprene adhesive in solvent.

Where to use:

Internal bonding of:

- skirtings, baseboards and rubber and PVC profiles.

Technical data:

Consistency: liquid.

Colour: beige.

Flammability: yes.

Application temperature range:

from +10°C to +35°C.

Waiting time: approximately

10-20 minutes.

Ready for use: immediately.

Storage: 24 months.

Application: notched and flat trowel.

Consumption



0.2-0.35 kg/m².

Packaging



10 - 5 - 1 kg drums.



Selection tables of Mapei products for the preparation of substrates

Substrates		Repairing cracks with <i>Eporip</i> or <i>Eporip Turbo</i>	PRIMER								
			<i>Primer KL</i> ⁽¹⁾	<i>Primer 3296</i> ⁽²⁾	<i>Livigum</i> ^{(2) (6)}	<i>Primer PA</i> ⁽³⁾	<i>Prosfas</i>	<i>Primer PU60</i> <i>Primer EP</i> ⁽⁴⁾	 <i>Eco Prim</i> ⁽⁴⁾ <i>PU 1K</i>	 <i>Eco Prim</i> ⁽⁴⁾ <i>PU 1K Turbo</i>	<i>Primer MF</i> ⁽⁴⁾
FLOORS											
New											
Cementitious screeds		●		●	●	●	●	●	●	●	●
MAPECEM, MAPECEM PRONTO, TOPCEM, TOPCEM PRONTO* screeds		●		●	●	●		●	●	●	●
Concrete floors		●		●	●		●	●	●	●	●
Anhydrite screeds		●				●		●	●	●	●
Heating screeds		●		●	●	●		●	●	●	●
Metal surfaces			●								
Existing											
Ceramic tiles, gres			●								
Terrazzo, Palladiana			●								
Natural stone			●								
Concrete floors and screeds		●		●	●	●		●	●	●	●

KEY



This symbol is used to identify MAPEI products which give off a low level of volatile organic compounds (VOC) as certified by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.

● MAPEI recommended primers

KEY



This symbol is used to identify MAPEI products which give off a low level of volatile organic compounds (VOC) as certified by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.

● MAPEI recommended primers

N.B. - THIS TABLE IS MERELY INDICATIVE; FOR FURTHER INFORMATION, REFER TO THE TECHNICAL DATA SHEET FOR EACH PRODUCT

* **Mapecem, Mapecem Pronto, Topcem, Topcem** and **Pronto** screeds do not need any treatment against dust and they do not need consolidation as long as they have been prepared according to the suggestions on the relative technical data sheets.

1) To be used exclusively with **Lignobond, Ultrabond P902 2K** and **Ultrabond P913 2K**

2) To be used exclusively with **Ultrabond P990 1K, Ultrabond Eco P992 1K, Ultrabond Eco S955 1K**.

3) **Livigum** diluted with water 1:4 - 1:5 and **Primer 3296** diluted 1:1 - 1:2 to be applied on sound substrates that have slight surface dust before installing with vinyl adhesives (**Adesilex LC, LC/R** and **LC/RP**)

4) Before the installation of wood with **Adesilex PA**

5) For the consolidation of screeds whose surface is unsound and in the presence of residual damp above that accepted for the installation of wood before bonding wooden floors with **Lignobond, Ultrabond P902 2K, Ultrabond P913 2K, Ultrabond P990 1K, Ultrabond Eco P992 1K** and **Ultrabond Eco S955 1K** (N.B. Onto heating screed, **Primer MF, Eco Prim PU 1K** or **Eco Prim PU 1K Turbo** can be used only as a consolidating treatment).

6) As a waterproofer of screeds with residual damp above that accepted for the installation of wood

7) As adhesion promoters before applying levelling compounds

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Adhesion promoters



Primer G



Synthetic resin based primer in water dispersion with very low emission of volatile organic compounds (VOC).

Where to use:

Treating gypsum or anhydrite surfaces prior to applying cementitious products. The surfaces to be treated must be clean and porous.

Primer G should be diluted with water from 1:1 to 1:3 to protect old porous floors, to fix the residual dust and to uniform the substrates absorption prior to levelling. Apply on perfectly dry gypsum or anhydrite surfaces (residual moisture less than 0.5%). The substrate must be dry and clean, free from oil, grease, traces of paint and any loose particles.

Technical data:

Consistency: liquid.

Colour: light blue.

Flammability: no.

Application temperature range: from +5°C to +40°C.

Drying time: 2 hours, varies according to the dilution and absorbcency of the substrate.

EMICODE: EC 1 - very low emission.

Storage: 24 months. Protect from frost.

Application: by roller and brush.

Consumption

0.1-0.2 kg/m² depending on the use.

Packaging

25 - 10 - 5 - 1 kg plastic drums.



Eco Prim T



Solvent-free acrylic primer with very low emission of volatile organic compounds (VOC) for porous and non porous surfaces.

Where to use:

All-purpose primer for improving adhesion of levelling compounds on all porous and non-porous surfaces: cement, gypsum, anhydrite, asphalt, wood, terrazzo. The substrate must be dry and clean, free from oil, grease, paint and any loose particles.

Technical data:

Consistency: liquid.

Colour: white.

Flammability: no.

Application temperature range: from +5°C to +40°C.

EMICODE: EC 1 - very low emission.

Storage: 24 months. Protect from frost.

Application: by roller and brush.

Consumption

0.10-0.20 kg/m².

Packaging

20 and 5 kg drums.



Mapeprim SP



Solvent-free two-component primer.

Where to use:

Improves the bonding of smoothing and levelling compounds on gypsum and anhydrite, on very flat and compact surfaces such as ceramic tiles and natural stone.

Wait until **Mapeprim SP** becomes transparent before applying levelling compounds.

Use **Mapeprim SP** only on dry surfaces that are not subject to rising damp. The substrate must be dry and clean, free from oil, grease, traces of paint and any other loose particles.

Technical data:

Consistency: Part A: liquid; Part B: liquid.

Colour: Part A: light blue; Part B: white.

Flammability: no.

Application temperature range:

from +5°C to +40°C.

Pot life: approx. 1 hour.

Mixing ratio: Part A : Part B = 1 : 1.

Waiting time before application of smoothing compound: between 1 and 3 hours depending on the ambient conditions.

Maximum time for application of smoothing compound: 24 hours.

Storage: 24 months.

Application: by brush, roller or flat trowel.

Consumption

0.10-0.20 kg/m².

Packaging

4 and 2 kg drums.



Primer KL



Adhesion promoter on non-porous surfaces for epoxy, epoxy-polyurethane and two-component polyurethane adhesives.

Where to use:

Adhesion promoter for **Lignobond**, **Ultrabond P902 2K** and **Ultrabond P913 2K** on existing flooring in:

- ceramic tiles;
- porcelain tiles;
- glass mosaic;
- marble;
- terrazzo;
- etc.

After the application with a wet cotton cloth, it is important that dust, dirt or any other substance that could interfere with the bonding of the adhesive used for installing the wooden flooring does not deposit over the surface.

Technical data:

Consistency: liquid.

Colour (pinkish): transparent.

Flammability: yes.

Application temperature range: from +5°C to +35°C.

Drying time: 5 minutes.

Storage: 12 months.

Application: wet cotton cloth.

Consumption

30-40 g/m².

Packaging

0.8 kg bottles in boxes of 12 and 8 kg metallic drums.



Primer M



Solvent-free, single component primer for polyurethane adhesives, for non-absorbent surfaces.

Where to use:

To improve the bonding of **Ultrabond P990 1K**, **Ultrabond Eco P992** and **Ultrabond Eco S955 1K** on non-absorbent surfaces, such as metals (iron, steel, aluminium, copper, zinc-plated sheets, etc.).

Primer M is ready for use, and is applied by brush or a roller in a thin, uniform coat. The successive layer of adhesive must only be applied once the primer is no longer sticky to the touch (after approximately 40 minutes at +23°C and 50% R.H.).

Technical data:

Consistency: liquid.

Colour: transparent.

Inflammable: no.

Application temperature range: from +5°C to +35°C.

Drying time: 40 minutes.

Storage:

Application: by brush or roller.

Consumption

50-60 g/m².

Packaging

250 g canisters.



Primer 3296



Aqueous acrylic primer with excellent penetration effect for dusty screeds.

Where to use:

Consolidation of unsound substrates. Preparation of unsound screed surfaces before the installation of wooden flooring with vinyl adhesives. Primer for cementitious smoothing compounds.

Technical data:

Consistency: liquid.

Colour: opalescent.

Flammability: no.

Application temperature range:

from +10°C to +35°C.

Dilution: no, 1:1 or 1:2 with water depending on the absorption of the substrate.

Drying time: 1-5 days.

Waiting time before laying with vinyl adhesives: when dry.

Storage: 12 months.

Application: roller, large brush, brush or watering can.

Consumption

0.1-0.5 kg/m².

Packaging

10 and 5 kg drums.



Livigum



Additive in water dispersion for cementitious smoothing compounds and mortars.

Where to use:

- Additive for improving the mechanical and adhesion strength of cementitious screeds, renders and coatings.
- Additive for the preparation of cement based slurries to form bonded screeds, for filling depressions and repairing parts of screeds.
- Diluted 1:4 - 1:5 with water, it fixes surface dust on screeds before the installation of wooden flooring with vinyl adhesives.

Livigum can be diluted from 1:2 to 1:5 with water depending on the type of application.

Technical data:

Consistency: viscose liquid.

Colour: white.

Flammability: no.

Application temperature range: from +5°C to +35°C.

Storage: 12 months. Protect from frost.

Consumption

depending on dilution.

Packaging

25 - 10 - 5 kg drums.



Primer PA



Ready-to-use synthetic resin based solvent primer for bonding with Adesilex PA.

Where to use:

Preparation of substrates before the laying of wooden flooring with **Adesilex PA** adhesive.

Primer PA dries rapidly, penetrates into the substrate and ensures excellent adhesion to **Adesilex PA**.

Technical data:

Consistency: liquid.

Colour: red.

Flammability: yes.

Application temperature range: from +10°C to +35°C.

Drying time: 4-48 hours depending on the absorption.

Waiting time before laying with Adesilex PA: 1-2 days.

Storage: 12 months.

Application: brush, roller, trowel.

Consumption

0.5-0.6 kg/m²

Packaging

10 kg drums.





Prosfas



Solvent-free silicate based consolidating compound for cementitious substrates.

Where to use:

Consolidation of cementitious substrates with poor consistency even in depth, hardening cementitious screeds that tend to crumble on the surface. To prevent the formation of an anti-adhesive film, sprinkle dry sand on the surface of the final coat to facilitate bonding of the next treatment. The substrate must be dry and clean, free of oil, grease, paint and any loose particles.

Technical data:

Drying time: varies according to the absorbency of the substrate.

Consistency: liquid.

Colour: transparent.

Flammability: no.

Application temperature range: from +5°C to +35°C.

Storage: 24 months. Protect from frost.

Application: by roller, brush or watering can.

Consumption

0.5-0.7 kg/m².

Packaging

25 kg drums.



Primer PU60



One-component polyurethane moisture curing primer in solvent for consolidating and waterproofing cementitious screeds.

Where to use:

Waterproofing porous cementitious screeds that have residual moisture higher than the maximum quantity acceptable for the installation of wooden flooring. Consolidation of unsound substrates and/or with poor mechanical strength. Anti-dust treatment of cementitious and anhydrite screeds. During application, provide suitable ventilation. If smoothing compounds or adhesives will be used after the application of **Primer PU60**, spread **Quartz 1.2** or dry clean sand over the just treated surface in order to improve the bonding strength of the products to be applied.

Technical data:

Consistency: liquid.

Colour: brown.

Flammability: yes.

Application temperature range: from +5°C to +35°C.

Dilution: from 25 to 100% with

Thinner PU.

Set to light foot traffic: depending on the dilution, 3-8 hours.

Hardening time: 24 hours.

Waiting time before laying with reactive glues: 2-7 days.

Storage: 12 months.

Application: roller or brush.

Consumption

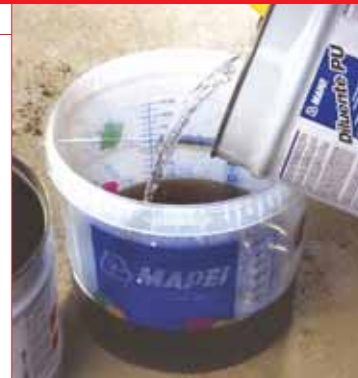
0.4-1.2 kg/m².

Packaging

10 kg drums.



Thinner PU



Thinner in solvent specific for Primer PU60.

Where to use:

Thinner for **Primer PU60** and all one and two-component polyurethane products.

Technical data:

Consistency: liquid.

Colour: transparent.

Flammability: yes.

Storage: 12 months.

Consumption

0.25-1 l per litre of **Primer PU60**, depending on the dilution necessary.

Packaging

9 kg drums.



Eco Prim PU 1K



One-component, solvent-free, moisture curing polyurethane primer with very low emission of volatile organic compounds (VOC), for consolidating and waterproofing cementitious screeds.

Where to use:

Waterproofing cementitious screeds with a residual moisture content higher than the maximum level recommended for laying wooden floors.

Consolidating unstable and/or mechanically weak substrates.

Anti-dust treatment for cementitious and anhydrite screeds with a disjointed surface. It may also be blended with quartz and used as a binder to mix synthetic mortar for small smoothing and repair operations. If smoothing compound or parquet floor is to be laid after applying **Eco Prim PU 1K**, **Quartz 1.2** or clean, dry sand must be sprinkled on the surface immediately after treatment to improve the bond of successive applications.

If sand is not sprinkled on the surface, the wooden floor must be laid within 3 days using a reactive adhesive (such as **Ultrabond P990 1K**, **Ultrabond Eco P992 1K**, **Ultrabond Eco S955 1K**, **Ultrabond P902 2K**, **Ultrabond P913 2K**, **Lignobond**).

Technical data:

Consistency: liquid.

Colour: brown.

Flammability: no.

Application temperature range: from +5°C to +35°C.

Set to foot light traffic: approx. 9-10 hours.

Hardening time: 12-16 hours.

Waiting time for installation of wood with reactive adhesives: 24 h at minimum, 36 h at maximum.

Waiting time before laying parquet or smoothing layer on surfaces sprinkled with quartz: 36 hours.

EMICODE: EC1 R - very low emission.

Storage: 12 months.

Application: by brush or roller.

Consumption

0.2-0.4 kg/m² per coat.

Packaging

10 kg drums.



SHOPPI MALL - Spreitenbach - Switzerland
Products used: EPORIP TURBO, NIVORAPID, ECO PRIM PU 1K,
PRIMER MF, ULTRAPLAN ECO, ULTRABOND P902 2K

Eco Prim PU 1K Turbo



One-component, solvent-free, damp-hardening, rapid-drying polyurethane primer with very low emission of volatile organic compounds (VOC) for consolidating and waterproofing cementitious screeds.

Where to use:

Consolidating and dust-repelling treatments on cementitious, anhydrite and heated substrates with a crumbly surface. Waterproofing cementitious screeds with a residual humidity content higher than the maximum level recommended for laying wooden floors.

If smoothing compound or adhesive is to be spread on the surface after applying **Eco Prim PU 1K Turbo, Quartz 1.2** or clean, dry sand must be sprinkled on the surface immediately after treatment to improve the bond of successive layers.

Instead of sprinkling on quartz, bonding of the smoothing compound may be improved by applying a coat of **Eco Prim T** on the surface of **Eco Prim PU 1K Turbo** when it is dry and ready to be stepped on (after approximately 2 hours).

Parquet may also be laid without sprinkling on the quartz, as long as the reactive adhesive (**Ultrabond P990 1K, Ultrabond Eco P992 1K, Ultrabond Eco S955 1K, Ultrabond P902 2K, Ultrabond P913 2K** or **Lignobond**) is applied on the final layer of primer within 3 days.

Technical data:

Consistency: liquid.

Colour: brown.

Inflammable: no.

Recommended application temperature range: from +5°C to +35°C.

Set to light foot traffic: after 2-3 hours.

Waiting time before laying parquet using reactive adhesives: minimum 2 hours, max. 3 days.

Waiting time before laying parquet or smoothing layer on surfaces sprinkled with quartz: 2 hours.

EMICODE: EC1 R - very low emission.

Storage: 12 months.

Application: by roller or brush.

Consumption:

0.1-0.45 kg/m².

Packaging

10 kg drums.



Primer MF



Two-component solvent-free epoxy primer to be used as an adhesion promoter for products from the Mapefloor range and to consolidate and waterproof cementitious substrates.

Where to use:

- Consolidating compound by impregnation of cementitious screeds, also radiant heated screeds, and unsound anhydrite screeds.
- Consolidating impregnation with anti-dust effect of concrete floors in garages, warehouses, industries, etc. and cementitious surfaces before the installation of raised flooring.
- Waterproofing screeds and concrete floors to prevent the excess rising of residual moisture.

In order to improve penetration in the screed thickness, the first coat of **Primer MF** can be diluted with **Primer KL** (0.8 l at maximum, equal to 1 kg of **Primer KL** every 6 kg of **Primer MF** (A+B)). If smoothing compounds or adhesives will be used after the application of **Primer MF**, spread **Quartz 1.2** or dry clean sand over the just treated surface in order to improve the bonding strength of the products to be applied.

Technical data:

Consistency: liquid.

Colour: transparent yellow.

Flammability: no.

Application temperature range: from +10°C to +35°C.

Waiting time before the installation of floors or application of smoothing compounds: 24-48 hours depending on the temperature.

Pot life: 90 minutes.

Mixing ratio: Part A : Part B = 3 : 1.

Storage: 24 months.

Application: roller and brush.

Consumption

0.2-0.3 kg/m², varies according to the absorption of the substrate.

Packaging

1 kg (A+B) and 6 kg (A+B) units.



Primer EP



Two-component waterproofing and consolidating primer, in solvent solution, for screeds and industrial flooring.

Where to use:

- Primer for the consolidation of surfaces of dusty or crumbly cementitious screeds, for anhydrite screeds, radiant heated screeds, old terrazzo tiles, gypsum and gypsum board.
- Waterproofing damp screeds to isolate residual moisture.
- Anti-dust impregnating primer over industrial flooring, garages, raised flooring.

If a levelling compound is used after the application of **Primer EP**, spread dry sand over the just treated surface to create a suitable mechanical key.

The substrate must be dry and clean, free of oil, grease, traces of paint and any loose particles.

Technical data:

Minimum drying time: 24 hours depending on the porosity of the substrate.

Consistency: liquid.

Colour: transparent.

Flammability: yes.

Application temperature range: from +10°C to +40°C.

Pot life of the mixture: 4-5 hours.

Mixing ratio: Part A : Part B = 1 : 1.

Storage: 24 months.

Application: by roller, brush or watering can.

Consumption

0.5-0.7 kg/m².

Packaging

5+5 kg drums.



Quartz 1.2



Washed and dried siliceous sand with controlled grading to be used to ensure bonding over resins or epoxy primers.

Where to use:

Can be used in all cases where rough surfaces are absolutely necessary to help the adhesion of smoothing compounds and adhesives over resins or epoxy primers.

Technical data:

Colour: grey - beige.

Grading: 0.7-1.2.

Packaging

25 kg bags.





CANOVA AIRPORT - Treviso - Italy
Products used: EPORIP, PLANICRETE, PRIMER KL,
PRIMER MF, TOPCEM PRONTO, ULTRABOND P902 2K,
ULTRAPLAN, ULTRAPLAN MAXI, TRIBLOCK P

Triblock P



Three-component, epoxy-cementitious primer for waterproofing damp substrates, including non-absorbent ones.

Where to use:

Triblock P is used as a waterproofing system for damp substrates, especially:

- old ceramic or terrazzo floor dressings on substrates with excessive residual humidity;
- cementitious substrates with a humidity content higher than the recommended level for laying wooden or resilient floors.

Triblock P is a three-component epoxy-cementitious system which is diluted with water. It has the capacity of reticulating on even very smooth, damp surfaces and of forming a compact, waterproof layer which is suitable for laying parquet, PVC, linoleum, rubber and cementitious smoothing compounds.

The surface must be dry, clean and free of grease, oil, traces of old paintwork and any other coating which may be removed.

Technical data:

Consistency: component A liquid; component B liquid; component C powder.

Colour: component A white; component B white; component C white.

Inflammable: no.

Recommended application temperature range: from +5°C to +35°C.

Waiting time between the first and second coat: 4-6 hours.

Waiting time before laying floors or smoothing compounds: 18 hours.

Pot life: 30-40 minutes.

Mixing ratio: component A : component B : component C = 12 : 38 : 50.

Shelf life: 24 months.

Application: by brush or roller.

Consumption

0.5 kg/m².

Packaging

5 kg drums (A+B+C).





Eporip



Two-component epoxy adhesive for cold joints and sealing of cracks in screeds. Solvent-free.

Where to use:

- Creation of cold joints between fresh and old concrete.
- Stiff sealing of damages or cracks in screeds, cement floors, etc.

When it is necessary to recreate the monolithic property of the structure, apply **Eporip** on clean and dry surfaces. The substrate must be clean, dry, free from oil, grease, traces of paint and other loose material.

Technical data:

Consistency: Part A: fluid paste; Part B: fluid paste.

Colour: Part A: black; Part B: white.

Mixing ratio: Part A : Part B = 3 : 1.

Flammability: no.

Application temperature range: from +5°C to +30°C.

Setting time: 24 hours.

Workability: 60 minutes.

Open time: 5 hours.

Storage: 12 months.

Application: by brush, trowel or by pouring.

Consumption

0.5-2 kg/m².

Packaging

10 and 2 kg kit.



Eporip Turbo



Very fast hardening two-component polyester resin.

Where to use:

- Sealing cracks in screeds.
- By adding dry sand, **Eporip Turbo** can be used to manufacture mortars for small reparations.

Eporip Turbo hardens in approximately 20 minutes.

Technical data:

Consistency: Part A: fluid paste; Part B: fluid paste.

Colour: Part A: grey; Part B: white.

Mixing ratio: Part A : Part B = 500 : 8.

Flammability: yes.

Application temperature range: from +5°C to +30°C.

Setting time: 20-30 minutes.

Workability: 7 minutes.

Storage: 12 months.

Application: by trowel or by pouring.

Consumption

1.7 kg per litre of cavity to be filled.

Packaging

508 g metal cans
(Part A: 500 g; Part B: 8 g).



Pulicol



Solvent gel to remove adhesives and paint.

Where to use:

- Removal of old natural and synthetic resin based adhesives and paint.
- Cleaning old adhesives from marble and ceramic flooring, levelling compounds, ceramic tiles, mosaic, gypsum, metal, fibre-cement coverings.

After treatment with **Pulicol** wash the surface with water and soda then rinse.

Technical data:

Consistency: gel.

Colour: transparent.

Flammability: yes.

Application temperature range: from +10°C to +35°C.

Waiting time before removal:

- adhesives in water dispersion or in solution: 5 minutes;
- reactive adhesives: 60 minutes.

Storage: 24 months.

Application: by brush.

Consumption

0.3 kg/m².

Packaging

3 and 1 kg drums.



Cleaner L



Cleaning solution for pre-finished parquet.

Where to use:

Removal of traces of single component, polyurethane adhesive, epoxy adhesive and two-component, epoxy-polyurethane adhesive.

Technical data:

Consistency: liquid.

Colour: transparent.

Flammability: yes.

Application temperature range: from +5°C to +35°C.

Drying time: 24 hours.

Storage: 12 months.

Application: with a cotton rag.

Consumption

5-20 g/m².

Packaging

multi-pack of 12 l (0.85 kg) - bottles.



Cleaner H



Damp wipes for cleaning hands.

Where to use:

Removing traces of fresh adhesive and sealant from hands and surfaces. Particularly suitable for removing traces of single component, polyurethane adhesive (such as **Ultrabond P990 1K** and **Ultrabond Eco P992 1K**) and two-component epoxy-polyurethane adhesive (such as **Ultrabond P902 2K** and **Lignobond**).

Cleaner H wipes are a quick, handy item for cleaning hands on site when water is not available. The detergent solution which saturates the wipes contains vitamin E and real aloha that protects hands and leaves a pleasant smell.

Packaging

plastic tubs containing 80 wipes (20x30 cm).



Selection tables of Mapei products for the installation of wooden floors

Substrates

TYPES OF PARQUET

Mosaic (EN 13488)

Solid wood without joints (EN 13227)

Solid jointed wood (EN 13226)

Assembled control panels (EN 13629)

Plywood elements (EN 13489)

Laminated and floating

Wood skirting

Stairs



Ultrabond
P990 1K

Ultrabond
Eco P992 1K

Ultrabond
P997 1K T

Ultrabond P-R9

Ultrabond
Eco S955 1K

Ultrabond
P902 2K

Ultrabond
P913 2K

Lignobond



KEY



This symbol is used to identify MAPEI products which give off a low level of volatile organic compounds (VOC) as certified by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.

● MAPEI recommended

✱ Small sized (L ≤ 500 mm)

✚ Kerb laying

△ Medium sized

□ For the fixing of elements non perfectly anchored to the substrate

N.B. - THIS TABLE IS MERELY INDICATIVE; FOR FURTHER INFORMATION, REFER TO THE TECHNICAL DATA SHEET FOR EACH PRODUCT

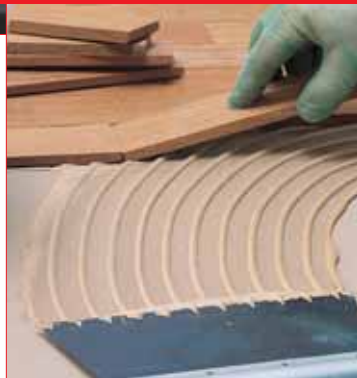
SELECTION TABLE OF MAPEI ADHESIVES FOR THE INSTALLATION OF WOODEN FLOORS

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	Adesilex LC/R	Adesilex LC/RP	Adesilex LC	Adesivil D3	Adesilex PA	Ultrabond Eco 575
	•	•	•		•	
	•	•	•		•	
	•					
					•	
				•		
						•

Adhesives in water emulsion

Adesilex LC/R



Fast-setting adhesive in water emulsion and with low water content for bonding wooden flooring.

Where to use:

Bonding of:

- wood-back strips and mosaic wooden flooring;
- strips, blocks;
- small wood strips of all types of wood.

Technical data:

Consistency: thick paste.

Colour: beige and brown.

Flammability: no.

Application temperature range:

from +10°C to +30°C.

Open time: approximately 30 minutes.

Set to light foot traffic: after 24 hours.

Polishing: once completely dry (minimum 10 days).

Storage: 24 months. Protect from frost.

Application: notched trowel.

Consumption

0.8-1.0 kg/m².

Packaging

20 and 12 kg drums.



Adesilex LC/RP



Adhesive in water dispersion and with low water content for bonding wooden flooring.

Where to use:

Bonding of:

- wood-back strips and mosaic wooden flooring;
- all types of wooden strips;
- small wood strips not very sensitive to moisture.

Technical data:

Consistency: thick paste.

Colour: beige and brown.

Flammability: no.

Application temperature range:

from +10°C to +30°C.

Open time: approximately 30 minutes.

Set to light foot traffic: after 24 hours.

Polishing: once completely dry (minimum 10 days).

Storage: 24 months. Protect from frost.

Application: notched trowel.

Consumption

0.8-1.0 kg/m².

Packaging

20 and 12 kg drums.



PRIVATE APARTMENT - Reggio Emilia - Italy
Wooden flooring laid with ADESILEX LC/R and ULTRABOND P902 2K
on screed carried out with ECO PRIM PI 1K

Adesilex LC



Adhesive in water emulsion for bonding wooden flooring.

Where to use:

- Bonding of:
- wood-back strips and mosaic wooden flooring;
 - all types of wooden strips and blocks;
 - small wood strips not very sensitive to moisture.

Technical data:

Consistency: thick paste.

Colour: beige and brown.

Flammability: no.

Application temperature range:

from +10°C to +30°C.

Open time: approximately 30 minutes.

Set to light foot traffic: after 24 hours.

Polishing: once completely dry (minimum 20 days).

Storage: 24 months. Protect from frost.

Application: notched trowel.

Consumption

0.8-1.0 kg/m².

Packaging

20 and 10 kg drums.



Adesivil D3



Solvent-free adhesive for prefinished water resistant floating wooden or laminate flooring.

Where to use:

Bonding of:

- joints between pieces of prefinished wooden flooring;
- small wooden pieces;
- DIY works.

Technical data:

Consistency: viscose liquid.

Colour: white.

Dried film: transparent.

Flammability: no.

Application temperature range:

from +15°C to +35°C.

Open time: 5-10 minutes.

Set to light foot traffic: after approx. 12 hours.

Final hardening: approximately 24 hours.

Resistance to water: D3 class/EN 204-205.

Storage: 24 months. Protect from frost.

Application: extrusion from the nozzle of the bottle.

Consumption

0.025 kg/m or 0.1-0.2 kg/m².

Packaging

0.5 kg bottles.



Adhesives based on resins in alcohol

Adesilex PA



Adhesive based on synthetic resins in alcohol for bonding wooden flooring.

Where to use:

Bonding of:

- wood-back strips and mosaic wooden flooring;
- all types of wooden strips and blocks;
- small sized prefinished wooden flooring.

Technical data:

Consistency: creamy paste.

Colour: beige.

Flammability: yes.

Application temperature range:

from +10°C to +30°C.

Open time: approx. 10-20 minutes.

Set to light foot traffic: after 24-72 hours.

Polishing: at least 72 hours.

Storage: 24 months.

Application: notched trowel.

Consumption

0.6-1.2 kg/m².

Packaging

16 kg drums.



FLATS IN WIENERBERG - Austria
Products used: TOPCEM PRONTO,
PRIMER PA, ADESILEX PA

Sililated-based adhesives

ADHESIVES FOR WOODEN AND LAMINATE FLOORING

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New

Ultrabond Eco S955 1K



One-component, isocyanate and solvent-free, sililated polymer-based adhesive with very low emission of volatile organic compounds (VOC), for all types of parquet.

Where to use:

Bonding pre-finished and traditional solid wood parquet, pre-assembled tops and all shapes and types of multi-layered elements on any kind of substrate.

Suitable for heated substrates.

No hazard symbols on packaging, and does not contain solvents, isocyanates or free amines, so may be used by those subjects allergic to epoxy-polyurethane products. Easy to clean from hands and pre-finished surfaces. Particularly suitable whenever blocks must be fixed quickly in place.

Technical data:

Consistency: creamy paste.

Colour: beige or brown.

Inflammable: no.

Recommended application temperature range: from +10°C to +35°C.

Open time: 50-60 minutes.

Set to light foot traffic: after 12 hours.

Sanding: after 3 days.

EMICODE: EC1 R - very low emission.

Storage: 12 months.

Application: notched trowel.

Consumption

0.8-1.2 kg/m².

Packaging

15 kg aluminium bags contained in plastic drums.



HOTEL WERZER -
Pörtschach - Austria
Products used:
NIVORAPID, PRIMER G,
ADESILEX PA

Two-component epoxy-polyurethane adhesives

Lignobond



Two-component solvent and water free epoxy-polyurethane adhesive for wooden flooring.

Where to use:

Bonding of all types and sizes of wooden flooring on all types of substrate. Suitable for heating screeds.

Technical data:

Consistency: comp. A: thick paste; comp. B: fluid paste.

Colour: comp. A: dark brown or beige; comp.: straw yellow.

Flammability: no.

Mixture ratio: comp. A : comp. B = 90 : 10.

Pot life: 50-60 minutes.

Application temperature range: from +10°C to +30°C.

Open time: 1 hours.

Setting time: 5 hours.

Set to light foot traffic: after 12-24 hours.

Polishing: after 3 days.

Storage: 24 months.

Application: notched trowel.

Consumption

1.0-1.5 kg/m².

Packaging

10 kg and 5 kg drums.



Ultrabond P902 2K



Two-component epoxy-polyurethane adhesive for wooden flooring.

Where to use:

Bonding of all types and sizes of wooden flooring on all types of substrate. Suitable for heating screeds.

Technical data:

Consistency: comp. A: pasty; comp. B: pasty.

Colour: comp. A: beige or brown; comp. B: whitish.

Flammability: no.

Mixture ratio: comp. A : comp. B = 90 : 10.

Pot life: 60-70 minutes.

Application temperature range:

from +10°C to +30°C.

Open time: 1 hour.

Set to light foot traffic: after 24 hours.

Polishing: after 3 days.

Storage: 24 months.

Application: notched trowel.

Consumption

1.0-1.5 kg/m².

Packaging

10 kg drums (A+B).



HOTEL NHOW - Milan - Italy

Wooden flooring installed with ULTRABOND P902 2K on screeds prepared with MAPECEM, MAPECEM PRONTO, TOPCEM and TOPCEM PRONTO

New

Ultrabond P913 2K



Two-component, epoxy-polyurethane adhesive for wooden floors.

Where to use:

Bonding traditional, medium-sized solid wood floors and for all types of pre-finished floors.

Technical data:

Consistency: comp. A: paste; comp. B: paste.

Colour: comp. A: beige or brown; comp. B: beige.

Inflammable: no.

Mixing ratio: comp. A : comp. B = 90 : 10.

Pot life of mix: 60 minutes.

Recommended application temperature range: from +10°C to +30°C.

Open time: 60 minutes.

Set to light foot traffic: after 24 hours.

Sanding: after 3 days.

Storage: 24 months.

Application: notched trowel.

Consumption

1.0-1.5 kg/m².

Packaging

10 kg drums (A + B).

One-component polyurethane adhesives

Ultrabond P990 1K



Ready-to-use polyurethane one-component, solvent-free, elastic adhesive for all types of wooden flooring and with very low emission of volatile organic compounds (VOC).

Where to use:

Bonding pre-finished and traditional solid wood parquet, pre-assembled tops and all shapes and types of multi-layered elements on any kind of substrate. Particularly suitable for underfloor heating systems.

Ultrabond P990 1K is odourless, solvent free and exempt from free amines, therefore even installers allergic to epoxy and epoxy-polyurethane products can use it.

Technical data:

Consistency: creamy paste.

Colour: beige and brown.

Flammability: no.

Application temperature range: from +10°C to +35°C.

Open time: 110 minutes.

Set to light foot traffic: after 12 hours.

Polishing: after 3 days.

EMICODE: EC1 R - very low emission.

Storage: 12 months.

Application: notched trowel.

Consumption

0.8-1.0 kg/m².

Packaging

15 and 7 kg in aluminium bags contained in plastic drums.

Carton containing twenty 600 cc aluminium soft cartridges.





Ultrabond P997 1K T



Solvent-free, one-component, ready-to-use, thixotropic polyurethane adhesive for laying wooden steps.

Where to use:

Laying wooden uprights treads and stairs and wooden mosaic on wall. Also suitable for bonding wooden baseboards and for laying pre-finished, three-layered parquet with beads of adhesive:

Technical data:

Consistency: thixotropic paste.

Colour: ochre.

Inflammable: no.

Recommended application temperature

range: from +10°C to +35°C.

Open time: approx. 100 minutes.

Set to light foot traffic: after 12 hours.

Polishing: after 3 days.

Storage: 12 months.

Application: by extrusion.

Consumption

- installing wooden stairs: the yeald is ca. 2 m² each soft cartridge (diagonal bead with the distance of 5-10 cm);
- installing pre-finished parquet with three layers: the yeald is ca. 4/6 m² each soft cartridge (diagonal bead with the distance of 10-15 cm);
- installing wood skirtings: the yeald is ca. 15 ml each soft cartridge.

Packaging

boxes containing 20 aluminium soft cartridges, each one containing 600 c.c.



Ultrabond Eco P992 1K



Solvent-free, one-component, ready-to-use, flexible polyurethane adhesive with very low emission of volatile organic compounds (VOC), for all types of parquet and laminates.

Where to use:

Bonding pre-finished and traditional solid wood parquet, pre-assembled tops and all shapes and types of multi-layered elements on any kind of substrate. It is particularly suitable for heating substrates. It is also suitable for floor layers allergic to epoxy and epoxy-polyurethane products. Does not carry any hazard warning indication and is completely free of solvents and any substance which gives off unpleasant odours therefore is particularly suitable for rebuilding work, and for use close to inhabited areas.

Technical data:

Consistency: creamy paste.

Colour: beige.

Inflammable: no.

Recommended application temperature

range: from +10°C to +35°C.

Open time: 140 minutes.

Set to light foot traffic: after 12 hours.

Facing: after 3 days.

EMICODE: EC1 - very low emission.

Storage: 12 months.

Application: notched trowel.

Consumption

0.8-1.0 kg/m².

Packaging

15 kg aluminium bags contained in plastic drums.



Ultrabond P-R9



One-component, hygro-setting, expansive polyurethane adhesive used by injection, for fastening and repairing parquet elements which are not perfectly bonded to the substrate.

Where to use:

Fastening and repairing parquet elements which are not perfectly bonded to the substrate, by injecting the product into holes drilled in correspondence with the joints between the elements. It may also be used indoors on pre-finished and painted floors, both before and after sanding. Take care when applying the product.

Technical data:

Consistency: liquid.

Colour: brown.

Inflammable: no.

Recommended application temperature

range: from +10°C to +35°C.

Sanding: after 24 hours.

Set to light foot traffic: after 24 hours.

Storage: 6 months.

Application: by extrusion from the tip on the canister.

Consumption

1-2 ml injected into each hole.

Packaging

0.5 kg canisters.

Coloured sealants



Silwood

New



GREEN INNOVATION

Acrylic sealant in water dispersion for wooden floors.

Where to use:

Sealing perimeter joints in wooden floors and joints between different types of floors when there is no joint trim. Once dry, **Silwood** may be sanded down and painted over.

It is available in oak, iroko, doussié, wengé, teak, walnut, cherry, beech, maple and birch, and their colours are very similar to the various types of wood most commonly used.

Technical data:

Consistency: creamy paste.

Colour: oak, iroko, doussié, wengé, teak, walnut, cherry, beech, maple and birch (insert code numbers).

Inflammable: no.

Application temperature range: from +5°C to +35°C.

Open time: 10-20 minutes.

Sanding: after 24 hours. After sanding, the product may be painted over.

Storage: 12 months.

Application: by extrusion from a tube.

Consumption

according to the size of the joint to be filled, calculating that its volume mass is 1.75 g/cm³.

Packaging:

310 ml tubes.



Water-based and solvent-based stuccos

PAINTS, STUCCOS, BASE COATS AND COLOURED SEALANTS FOR WOODEN FLOORING

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Ultracoat Acqua Plus

New



Solvent-free, water-based binder with extremely low emission levels of volatile organic compounds (VOC) and no NMP, mixed with sawdust for grouting wooden floors. Suitable for water-based varnishing cycles.

Where to use:

Grouting and preparing traditional wooden floors, both pre-polished and those requiring repair.

Prepare the grout by mixing the product with sawdust given off during sanding (mixing ratio **Ultracoat Acqua Plus**: sawdust = 3-4 : 1) until a homogenous paste is obtained. Seal the floor by applying the product with a stainless steel or plastic trowel, forcing as much mix as possible to penetrate into the cracks.

Technical data:

Consistency: liquid.

Colour: whitish.

Inflammable: no.

Recommended application temperature range: from +10°C to +35°C.

Sanding: after approximately 1 hour.

Painting: the surface may be painted over after 3 hours, and within 5 hours, with water-based varnish.

Storage: 12 months.

Application: stainless steel or plastic trowel.

Consumption

100-120 g/m² per coat.

Packaging

5 l cans.



Ultracoat LS

New



Nitro-cellulose based binder in solvents, mixed with sawdust for grouting wooden floors. Also suitable for sealing large cracks.

Where to use:

Grouting and preparing traditional wooden floors, both pre-polished and those requiring repair.

Prepare the grout by mixing the product with sawdust given off during sanding (mixing ratio **Ultracoat LS**: sawdust = 3-5 : 1) until a homogenous paste is obtained. Seal the floor by applying the product with a stainless steel or plastic trowel, forcing as much mix as possible to penetrate into the cracks.

Technical data:

Consistency: liquid.

Colour: brown.

Inflammable: yes.

Recommended application temperature range: from +10°C to +35°C.

Sanding: after approximately 30 minutes.

Painting: after 30 minutes.

Storage: 12 months.

Application: stainless steel or plastic trowel.

Consumption

100-120 g/m² per coat.

Packaging

10 kg drums.

Water-based base coats

New

Ultracoat P920 2K



Two-component water-based base coat, with very low emission of volatile organic compounds (VOC) and no NMP, for wooden floors.

Where to use:

Preparation of traditional wooden floors, both pre-polished and those requiring repair.

Two-component, water-based base product characterised by its high insulating properties. Easy to sand down and easy to apply.

Reduces the problem of overlaps.

Ultracoat P920 2K has been developed to stain wood without causing unsightly colour variations on wood rich in tannin and other water-soluble colorants (such as oak, teak, etc.). Therefore, it is particularly suitable for more difficult types of wood to avoid them becoming darker or redder.

Ultracoat P920 2K contains a high level of residual solids, and when used in combination with **Ultracoat P925** two-component, water-based paint, it may be applied in two coats.

If single component water-based **Ultracoat P915** paint is used, we recommend applying the cycle in three coats.

Technical data:

Consistency: comp. A liquid; comp. B liquid.

Colour: comp. A transparent; comp. B whitish.

Inflammable: no.

Recommended application temperature range: from +10°C to +35°C.

Pot life of mix: 2 hours.

Mixing ratio: comp. A : comp. B = 5:1 (in volume).

Maximum permitted dilution ratio (Dir. 2004/42/CEE): 10% with clean water. Recommended at all times at high temperatures.

Sanding: after 12 hours.

Painting: after 2 hours, and within 12 hours.

Storage: 12 months.

Application: by roller or brush.

Consumption

80-100 g/m² per coat.

Packaging

6 l units (A + B).



Water-based and solvent-based varnishes

PAINTS, STUCCOS, BASE COATS AND COLOURED SEALANTS FOR WOODEN FLOORING

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New

Ultracoat P915



One-component, water-based polyurethane varnish, with extremely low emission levels of volatile organic compounds (VOC) and no NMP, highly resistant to wear and abrasion, for wooden floors. Suitable for floors subject to frequent pedestrian use.

Where to use:

Highly protective, wear and abrasion-resistant finish for traditional wooden floors for civil and commercial use, both pre-sanded and those requiring repair.

Ultracoat P915 has excellent resistance to abrasion and skid marks. It is aesthetically different from conventional water-based products, in that it is transparent and leaves a warm-coloured finish to the wood. We recommend a three-coat cycle using **Ultracoat P915** or, as an alternative, a first coat of **Ultracoat P920 2K** two-component, water-based base product followed by two coats of **Ultracoat P915**. **Ultracoat P915** is available in opaque (30 gloss - **Ultracoat P915/O**) and satin finish (60 gloss - **Ultracoat P915/S**).

Technical data:

Consistency: liquid.

Colour: transparent.

Gloss factor: opaque (30 gloss) and satin finish (60 gloss).

Inflammable: no.

Recommended application temperature range: from +10°C to +35°C.

Maximum permitted dilution ratio (Dir. 2004/42/CEE): 10% with clean water.

Sanding: after 8 hours.

Painting: after 3 hours, and within 5 hours.

Ready for use: 36-48 hours.

Storage: 12 months.

Application: by roller or brush.

Consumption

70-90 g/m² per coat.

Packaging

5 l cans.

New

Ultracoat P925



Two-component, water-based polyurethane varnish, with an extremely low emission level of volatile organic compounds (VOC) and no NMP, highly resistant to wear and abrasion, for wooden floors. Suitable for floors subject to extremely high pedestrian use.

Where to use:

Highly protective and wear and abrasion-resistant finish on traditional and pre-sanded wood, and wooden floors requiring repair. It may be used in civil and commercial environments subject to extremely high pedestrian use (public offices, shopping centres, airports, exhibition halls, etc.)

Ultracoat P925 has excellent resistance to abrasion and skid marks, which has never been possible with other water-based products. It leaves the parquet with an attractive "natural" finish. Floors treated with this varnish have a natural, even finish, and may be cleaned very easily, as with impregnation cycles which require the use of oil and wax. If it is applied directly without a base product, it livens up the colour of the parquet without yellowing over the years.

A single coat applied directly on top of **Ultracoat P920 2K** base product is usually enough to complete the varnishing cycle. As an alternative, **Ultracoat P925** may be applied directly on the floor instead of the base coat.

Ultracoat P925 is available in opaque (30 gloss - **Ultracoat P925/O**) and satin finish (60 gloss - **Ultracoat P925/S**).

Technical data:

Consistency: comp. A liquid; comp. B liquid.

Colour: comp. A transparent; comp. B whitish.

Gloss factor: opaque (30 gloss) and satin finish (60 gloss).

Inflammable: no.

Recommended application temperature range: from +10°C to +35°C.

Pot life of mix: 2 hours.

Mixing ratio: comp. A : comp. B = 10 : 1 (in volume).

Maximum permitted dilution ratio (Dir. 2004/42/CEE): 10% with clean water.

Sanding: after 12 hours.

Painting: after 3 hours, and within 5 hours.

Ready for use: 36-48 hours.

Storage: 12 months.

Application: by roller or brush.

Consumption

70-90 g/m² per coat.

Packaging

11 l units (A + B).

New

Ultracoat PF1



Two-component, fireproof polyurethane varnish to comply with class 1 fire reaction certification for wooden floors according to UNI 9796/CNVF/CCI Standards, as outlined in D.M. 06/03/92.

Where to use:

For finishes with a high resistance to wear on floors and wooden items, where class 1 fire reaction certification is required.

Technical data:

Consistency: comp. A liquid; comp. B liquid.

Colour: comp. A straw yellow; comp. B straw yellow.

Gloss factor: gloss (90 gloss).

Inflammable: yes.

Recommended application temperature range: from +10°C to +35°C.

Pot life of mix: 4 hours.

Mixing ratio: comp. A : comp. B = 1:1 (in volume).

Sanding: after 24 hours.

Ready for use: 3 days.

Storage: 12 months.

Application: by roller, brush or spray.

Consumption

150 g/m² per coat. Class 1 fire reaction certification may be obtained by applying a total of three coats of the product at 450 g/m² (equivalent to 405 ml/m²).

Packaging

20 l units (A + B).

Detergents



**Mapefloor
Cleaner ED**

New



**Detergent for normal degreasing
operations of floors.**

Where to use:

Concentrated water-soluble product made of a special mixture of surface-active, low-foaming components, for cleaning greasy stains from washable surfaces and floors subject to heavy traffic.

The product may be used by hand or with mechanical cleaning means.

Use **Mapefloor Cleaner ED** at a concentration level of 1-3%. Increase the concentration according to requirements on heavily soiled surfaces.

Technical data:

Consistency: opaque liquid.

Colour: green.

Inflammable: no.

Dilution in water: 1-3% (100-300 g of **Mapefloor Cleaner ED** in 10 lit of water).

Storage: 12 months.

Application: by hand using a rag, or by machine.

Consumption

100-300 g of product per 10 lit of water.

Packaging

10 kg cans.

Waxes

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New

Mapelux Lucida



Shiny, metal-filled, high-resistance, double-reticulation floor wax.

Where to use:

Protective treatment on parquet floors in civil environments, such as shops, showrooms, apartments and offices subject to particularly high traffic. **Mapelux Lucida** is characterised by its high resistance to traffic and frequent clearing cycles with strong detergents, and may also be employed to make maintenance operations easier. Thanks to the product's double reticulation which binds all the components, the **Mapelux Lucida** film is easy to clean, and marks and stains left by traffic may be removed by a simple washing cycle.

Mapelux Lucida must be applied in two criss-cross coats, to obtain good protection of the entire surface.

Technical data:

Consistency: liquid.

Colour: bluish-white.

Inflammable: no.

Application temperature range: from +10°C to +30°C.

Storage: 12 months.

Application: using a wax spreader.

Consumption

approximately 50 g/m².

Packaging

10 kg cans.



New

Mapelux Opaca



Opaque, metal-filled, high-resistance, double-reticulation floor wax.

Where to use:

Protective treatment on parquet floors in civil environments, such as shops, showrooms, apartments and offices subject to particularly high traffic. **Mapelux Opaca** is characterised by its high resistance to traffic and frequent clearing cycles with strong detergents, and may also be employed to make maintenance operations easier. Thanks to the product's double reticulation which binds all the components, the **Mapelux Opaca** film is easy to clean and marks and stains left by traffic may be removed by a simple washing cycle.

Mapelux Opaca must be applied in two criss-cross coats, to obtain good protection of the entire surface.

Technical data:

Consistency: liquid.

Colour: bluish-white.

Inflammable: no.

Application temperature range: from +10°C to +30°C.

Storage: 12 months.

Application: using a wax spreader.

Consumption

approximately 50 g/m².

Packaging

10 kg cans.



Abrasive products

New

Ultracoat SR



Abrasive mesh disks in silica carbide for sanding parquet floors.

Where to use:

Ultracoat SR abrasive disks are suitable for finishing operations using a machine with a rotating head (single-disk) on rough wood, and for sanding base products, impregnating products and varnish.

Ultracoat SR abrasive disks are available in grades 60, 80, 100, 120, 150, 180, 220 and 320 grain size.

Packaging

boxes containing 20 pieces.



Ultracoat PAD



Pads used for polishing and cleaning parquet floors.

Where to use:

According to the colour (which indicates the grain size and abrasion property), **Ultracoat PAD** disks suitable for parquet floors for cleaning, routine maintenance, polishing and waxing operations with oil and wax.

Ultracoat PAD disks are available in white and tan (for polishing and for applying wax and oil), red (for routine maintenance operations), green (for treating with oil and quick removal of stains and streaks) and black (for quick, thorough deep-down cleaning with a minimum of abrasion, suitable for acid products).

Packaging

boxes containing 5 pieces.

Tools

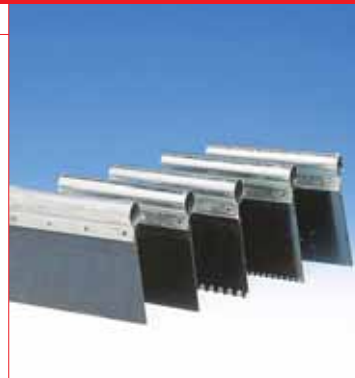


Trowels for levelling compounds



American - 28 cm.
Extralong - 50 cm.

Trowels for adhesives



Normal metal notch N. 1
Normal metal notch N. 2
Normal metal notch N. 3
Normal metal notch N. 4
Normal metal notch N. 5
Normal metal for wooden flooring

Gun for soft-cartridges



Gun for 600 ml soft-cartridges.

Gun for sealants



Gun for 310 ml cartridges.



Spiked roller



Plastic roller, 23 cm wide and 8 cm in diameter with a handle.
To be used to improve the flow of levelling compounds in thicknesses from 2 to 15 mm, to remove air bubbles and to improve the appearance of the surface of Mapei self-levelling compounds.

Carbide hygrometer



Chemical instrument for measuring the humidity in the substrates. The water reacts with the calcium carbide inside the hygrometer. Acetylene is formed which makes the pressure rise. The water content is determined by the pressure on the manometer.

The hygrometer comes in a plastic suitcase containing:

- a steel container with a stopper and a manometer;
 - 20 glass phials containing calcium carbide;
 - 2 aluminium marbles;
 - 1 scale with support, scalepan, and 20 g and 10 g weights;
 - 1 syringe;
 - 1 small steel spoon and plate.
- 20 boxes containing glass calcium carbide phials are available.

Electronic hygrometer



Electronic instrument that rapidly indicates the % of humidity contained in cement based screeds (A scale), **Mapecem** based screeds (B scale), and anhydrite based screeds (C scale).

The hygrometer is powered by 9 V batteries and comes in a case containing:

- a cable with a uniaxial connector and connecting terminals with the electrodes that are driven into the screed;
- two steel nails that are used as electrodes;
- an instruction leaflet.

Mapei solutions for the installation of screeds for laying floors

The service life and functionality of a floor covering, whether the material used is ceramic, stone, fabric, resilient or wood, is highly dependant on the physical and elastic-mechanical characteristics of the substrate on which it is laid.

These properties must be defined according to its final use and, therefore, according to the loads which act upon it, the environmental aggression conditions, the type of floor, the deformability of the underlying layers and the deflection of the concrete slab. This technical notebook aims at supplying useful guidelines regarding the techniques to be used and on the products which Mapei offers for the installation of screeds which are durable over a long period of time.

A screed is a constructive element which, in general, is between 4 and 8 cm thick. It is made from mortars blended with cementitious binders or with an anhydrite base. According to whether it is laid so that it adheres to a load-bearing substrate (for example a reinforced concrete slab) or it is laid onto an isolation layer (for example a vapour barrier) or onto a layer of thermal and/or acoustic insulation, it is known as "bonded", "isolating" or "floating", respectively. When the latter type also includes embedded heating pipes, they are defined as "heating".

The screed forms a support which is suitable for any type of floor, be it in ceramic, stone, wood or a resilient material. Also, it must guarantee that the laying operation is carried out in the time required and that its durability is not compromised when operating under various conditions (internal or external use, domestic, commercial or industrial use, etc.).

The durability of a floor covering is influenced, therefore, by the characteristics of the substrate, which are tightly bound to those of the product used for screeds (special binders, pre-blended mortar or traditional mortar prepared on site), and also by the way it is prepared, how it is laid, its compactness and the curing of the mix. To sum up, therefore, the choice of which product to use for the screed must take into consideration its final use, the particular site conditions (internal use, external use, thickness, etc), the type of floor to be laid and the time to wait before laying and before putting the floor covering into service.

TYPES OF SCREEDS

Screeds can be divided into the following categories:

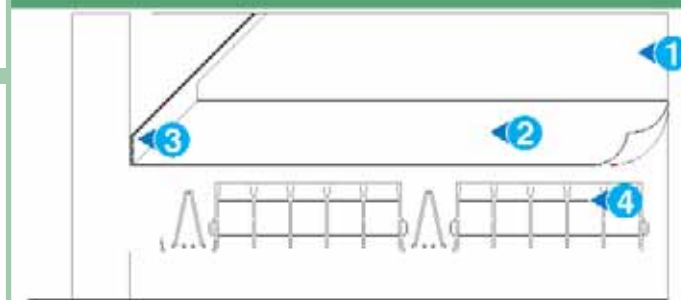
- Isolating (Figs. 1 and 2)
- Floating (Fig. 3)
- Bonded (Fig. 4)
- Heating (Fig. 5)



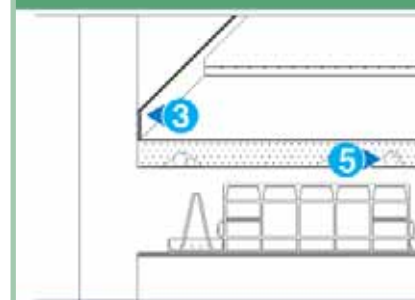
TOPCEM PRONTO and MAPECEM PRONTO pre-blended mortars for screeds conform to standard **EN 13813** and are **CE** marked



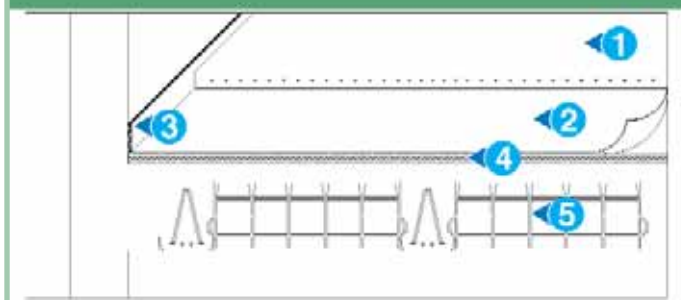
ISOLATING SCREED



ISOLATING



FLOATING SCREED ON AN INSULATION



Tab. 1 - Minimum thickness of floating screed according to the deformability

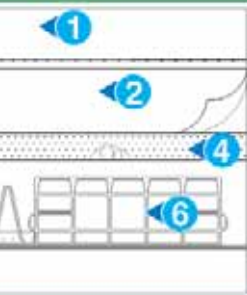
INSULATION Deformability class	
I:	Thickness < 3 mm
I:	Flattening* < 0.5 mm and thickness > 3 mm
II:	Flattening > 0.5 mm and ≤ 3 mm included
III:	Flattening > 3 mm and < 12 mm

* Flatten
the compre

- 1 SCREED ≥ 3.5 cm THICK
- 2 POLYETHYLENE SHEET
- 3 DEFORMABLE MATERIAL
- 4 CONCRETE SLAB

Fig. 1

SCREED OVER LIGHTWEIGHT LAYER



- 1 SCREED ≥ 3.5 cm THICK WITH ELECTRIC-WELDED MESH
- 2 POLYETHYLENE SHEET
- 3 DEFORMABLE MATERIAL
- 4 LAYER OF LIGHTWEIGHT CONCRETE
- 5 PIPE-WORK
- 6 CONCRETE SLAB

Fig. 2

INSULATION LAYER

- 1 SCREED ≥ 4 cm THICK WITH ELECTRIC-WELDED MESH
- 2 POLYETHYLENE SHEET
- 3 DEFORMABLE MATERIAL
- 4 THERMAL/ACOUSTIC INSULATION LAYER
- 5 CONCRETE SLAB

Fig. 3

Methods and characteristics of the reinforcement by class of the insulation layer

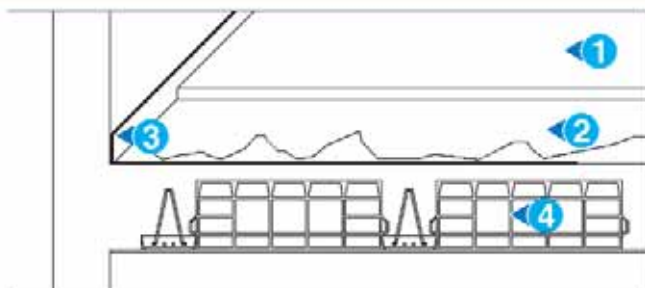
SCREED	
Thickness	Reinforcement
4 cm	Also without reinforcement
4 cm	50x50 mm mesh, $\varnothing = 2$ mm
5 cm	Also without reinforcement
4 cm	50x50 mm mesh, $\varnothing = 2$ mm
5 cm	Also without reinforcement
4 cm	100x100 mm mesh, $\varnothing = 5$ mm
5 cm	50x50 mm mesh, $\varnothing = 2$ mm

ing - the reduction in thickness of the insulation layer due to
massive force of a "standard" load according to French norms.



Mapei solutions for the installation of screeds for laying floors

BONDED SCREED



- 1 SCREED < 3.5 cm THICK
- 2 BONDING SLURRY
- 3 DEFORMABLE MATERIAL
- 4 CONCRETE SLAB

Fig. 4

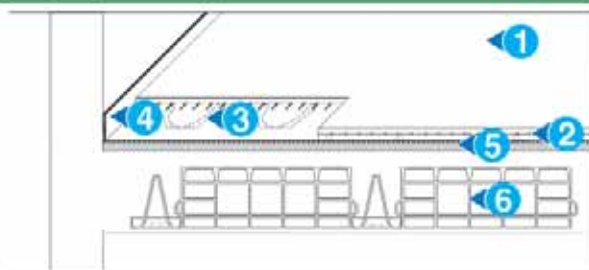
Tab. 2 - Recommended dosages for bonding slurries to improve the adhesion of the screed to the substrate

Slurry* based on:

	CEMENT	TOPCEM	TOPCEM PRONTO	MAPECEM	MAPECEM PRONTO
PLANICRETE (parts in weight)	1	1	1	1	1
WATER (parts in weight)	1	1	1	1	1
PRE-PACKED BINDER or MORTAR (parts in weight)	2	3	12	2	8

* For structures subject to heavy mechanical stress, use EPORIP, epoxy adhesive, to bond the screed to the reinforced concrete structure.

HEATING SCREEDS



- 1 SCREED (THICKNESS ABOVE HEATING SYSTEM ≥ 2.5 cm)
- 2 ELECTRIC-WELDED MESH
- 3 HEATING COILS
- 4 DEFORMABLE MATERIAL
- 5 LAYER OF THERMAL INSULATION
- 6 CONCRETE SLAB

Fig. 5

Tab. 3 - Waiting times according to the type of binder used in the screed (approx. 4 cm) before carrying out the testing cycle of the under-floor heating system

Cement + aggregate + water + MAPEFLUID N200	Cement + aggregate + water + MAPEFLUID PZ500	TOPCEM PRONTO + water	TOPCEM aggregate + water	MAPECEM + aggregate + water	MAPECEM PRONTO + water
21 days	14 days	4 days	4 days	1 day	1 day

	Screeds made with:			
	TOPCEM	TOPCEM PRONTO	MAPECEM	MAPECEM PRONTO
Recommended dosage (kg/m³)	200-250	-	350-450	-
Residual moisture (%)				
- after 24 hours	< 3.5	< 3.5	< 2	2
- after 3 days	-	-	<1.6	1.6
- after 4 days	< 2	< 2	-	-
Waiting time before applying smoothing compounds	1 to 4 days	1 to 4 days	4 hours	4 hours
Waiting time before laying floor covering				
- ceramic	24 hours +	24 hours	3 to 4 hours +	3 to 4 hours
- marble	2 days +	2 days	3 to 4 hours +	3 to 4 hours
- wood**	4 days +	4 days	24 hours +	24 hours
Compressive/flexural strength (N/mm²)				
- after 24 hours	> 8/3	> 8/3	> 30/5	> 40/6
- after 3 days	-	-	> 40/6.5	> 50/7
- after 4 days	> 15/4	> 15/4	-	-
- after 7 days	> 22/5	> 22/5	-	-
- after 28 days	> 30/6	> 30/6	> 45/7	> 62/7
+ The waiting time can be longer if when making the screeds aggregate graded less than the suggested 0-8 mm is used or if more mixing water is used.				
* At +23°C, 50% R.H.				
** When laying wooden floor coverings, check the level of moisture with a carbide hygrometer to make sure that it is lower than the value recommended by the manufacturer of the coverings.				



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Saint Hilaire



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Plant in Weferlingen



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Distribution centres in Győr, Kaposvár
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Plant in Gliwice



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Plants in Stupino



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Cabanillas del Campo (Guadalajara)
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MAPEI PRODUCT CERTIFICATIONS FOR THE INSTALLATION OF RESILIENT, TEXTILE AND WOOD COVERINGS

PRODUCT					
Adesilex UP71				•	•
Aquacol T			•		•
Eco Prim PU 1K				•	•
Eco Prim PU 1K Turbo				•	•
Eco Prim T			•		•
Fiberplan	CT-C25-F7 A2 _n				
Granirapid			•		•
Mapecem Pronto	CT-C60-F10 A1 _n				
Mapecryl Eco			•		•
Mapefluid N200		•			
Mapefluid PZ500		•			
Mapesilent Band					•
Mapesilent Door					•
Mapesilent Panel					•
Mapesilent Roll					•
Mapesilent Tape					•
Nivorapid	CT-C40-F10 A2 _n			•	•
Novoplan 21	CT-C20-F7 A2 _n				
Pianocem M	CT-C25-F7 A1 _n				
Planipatch			•		•
Plano 3	CT-C25-F7 A2 _n				
Primer G			•		•
Silwood			•		•
Topcem Pronto	CT-C30-F6 A1 _n				
Ultrabond Aqua-Contact Cork			•		•
Ultrabond Eco 170			•		•
Ultrabond Eco 185			•		•
Ultrabond Eco 350			•		•
Ultrabond Eco 380			•		•
Ultrabond Eco 520			•		•
Ultrabond Eco 540			•		•
Ultrabond Eco Fix			•		•
Ultrabond Eco P992 1K			•		•
Ultrabond Eco S955 1K				•	•
Ultrabond Eco V4 Conduttivo			•		•
Ultrabond Eco V4 SP			•		•
Ultrabond Eco VS90			•		•
Ultrabond P990 1K				•	•
Ultrabond Turf PU 1K				•	•
Ultrabond Turf PU 2K				•	•
Ultraplan	CT-C30-F7 A2 _n		•		•
Ultraplan Eco	CT-C25-F7 A2 _n		•		•
Ultraplan Maxi	CT-C35-F7 A2 _n		•		•



*PETRUZZELLI THEATRE - Bari - Italy
Installation of wall coverings with ADESILEX MT32,
bonding of wood with ULTRABOND P990 1K on screeds
in TOPCEM PRONTO and ECO PRIM PU 1K*



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