

KÖSTER Dachflex®

Technical guideline / Article number **7.06**

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- Industry classification "Dachflex" registered at the German patent office, 395 06 702
- Test Report, College of East Friesland – Water vapour permeability

Solvent-free synthetic roof coating

Features

KÖSTER Dachflex® is a elastic, pasty, solvent-free synthetic waterproofing material for dry and slightly damp substrates. The fast drying foil-like coating is highly flexible, watertight and water vapour permeable. The foil is resistant against ageing, UV-rays and frost /de-icing salts. KÖSTER Dachflex® can be coloured.

Technical data

Consistency	pasty
Application temperature	above + 5 °C
Substrate temperature	above + 5 °C
Application of next layer	after approx. 12 hours (20 °C)
Colour	white (colourable)
Water vapor permeability	7.8 g / m ² d
Equivalent air-layer-thickness Sd	2.5 m
CO ₂ – permeability	0.4 g / m ² d
Equivalent air-layer-thickness Rb	570 m
Breaking load (N / mm ²)	1.90 (at + 23 °C)
Elongation at break (%)	257 (at + 23 °C)

Field of application

For the precautionary protection and for the renovation of roofs made of roof tile, concrete roof tile, bituminous roofing materials, fibre-cement plates and screeds; also suited for flat roofs. The surfaces should have a min. slope of approx. 5 %.

Substrate preparation

The substrate should be dry to slightly damp, solid, clean and free of loose particles, moss, algae, etc. ECB-membranes must be weathered prior to being coated with KÖSTER Dachflex®.

Strongly absorbent mineral substrates must be primed with KÖSTER Polysil® TG 500 (consumption approx. 130 g / m²). Slightly to non-absorbent substrates are primed with a dilution of KÖSTER Dachflex® : water in a mixing ratio of 1 : 1.

In both cases, KÖSTER Dachflex® can be applied after approx. 3 hours. On upstands or on wall / floor junctions, install a fillet made of KÖSTER Repair Mortar approx. 24 hours prior to the application of KÖSTER Dachflex®.

Application

Stirr KÖSTER Dachflex® thoroughly before application. The material is applied in two coats (waiting time approx. 3 hours before application of the second coat). Embed KÖSTER Glass Fibre Mesh between two layers of KÖSTER Dachflex® in areas in danger of cracking and on wall / floor junctions. It is also possible to spray the material onto the substrate (e.g. with Wagner PlastCoat PC 5). The fresh coating is water soluble and must be protected from rain until it has fully dried. It is possible to colour KÖSTER Dachflex® with weather- and UV-resistant pigment pastes. These pigment pastes must be compatible with acrylates.

Notice

The formation of puddles or standing water due to inadequate roof drains (high lying roof drains or something similar) or inadequate slope of the roof (minimum slope 5%) must be excluded prior to the application of KÖSTER Dachflex®.

Consumption

Approx. 0.75 to 1.0 kg / m² per coat

When using a roller for application, more coats are necessary, approx. 1.5 to 2.0 kg / m² total consumption.

Cleaning of tools

Clean tools immediately after use with water.

Packaging

20 kg bucket

Storage

Store the material cool but frost-free. In originally sealed packages, it can be stored for approx. 12 month.

Water which has separated on the surface can be stirred in again.

Technical guidelines cited

KÖSTER Polysil® TG 500	Art.-No. 4.011
KÖSTER Repair Mortar	Art.-No. 5.030
KÖSTER Glass Fibre Mesh	Art.-No. 11.01

The information contained in this technical data sheet is based on the results of our research and on our practical experience in the field. All given test data are average values which have been obtained under defined conditions. The proper and thereby effective and successful application of our products is not subject to our control. The installer is responsible for the correct application under consideration of the specific conditions of the construction site and for the final results of the construction process. This may require adjustments to the recommendations given here for standard cases. Specifications made by our employees or representatives which exceed the specifications contained in this technical guideline require written confirmation. The valid standards for testing and installation, technical guidelines, and acknowledged rules of technology have to be adhered to at all times. The warranty can and is therefore only applied to the quality of our products within the scope of our terms and conditions, not however, for their effective and successful application. This guideline has been technically revised; all previous versions are invalid.