



First-choice material  
for healthcare.

Infections don't stand a chance with HI-MACS®.

**HI-MACS**<sup>®</sup>  
Natural Acrylic Stone™

The requirements governing the use of materials in the medical sector are extensive: and with good reason. In addition, Architecture can have a positive appearance in the hospital setting especially where children are being treated. An example of one such project is seen here in this childrens centre where the cheerful motifs are directly printed on the HI-MACS® surface.



## The highest hygienic standards makes HI-MACS® the choice of healthcare professionals.

The modern medical facility is an environment where standards are set high not only for comfort and function, but for aesthetics as well. In the healthcare field in particular, materials with outstanding hygienic properties and a high resistance to pathogens and chemicals are indispensable. HI-MACS® is a solid surface that meets all these criteria perfectly. Additionally it provides creative designers with endless possibilities for creating sanitary spaces that are appealing from a functionality and design perspective.



Niño Jesús Hospital, Madrid, Spain | Design: Elisa Valero | Fabrication: Muebles Maderama | Photo: Fernando Alda

# Professional healthcare asks substantial questions.



Joensuu University, Finland | Fabrication: Nordstock

## **Germs don't stand a chance.**

Thanks to its impermeability to dirt, bacteria, viruses and countless chemicals, HI-MACS® is the ideal material for the hospital, medical practice, laboratory, and for all other areas where hygiene really counts.

## **Spotless meets seamless.**

A seamless finish and a non-porous surface make for a worktop that's easy to clean and meets the highest standards for hygiene. Perfect for installation in healthcare facilities, universities and educational institutions.

## **Outstanding sanitary properties.**

The solid surface material has been certified by an independent laboratory for its hygienic properties in accordance with the international norm LGA and NSF.

A test conducted on the colour Alpine White S28 according to the norm EN 16615, demonstrated an excellent disinfection capacity on the staphylococcus aureus bacteria. In addition to this, Alpine White S28 demonstrated a good resistance to the cleaning products which contain the disinfectants published in the "disinfection capacity" on page 10 of this brochure.

# HI-MACS® provides reliable answers.

## **A lifetime of beauty.**

HI-MACS® is extremely durable and long-lasting, offering an excellent price/performance ratio and a 15 year warranty\*, the only of its kind on the market.

\* 15 Year Guarantee: Products, manufactured and fitted by a HI-MACS® Quality Club fabricator, are given a 15 Year Guarantee.

## **Incredible versatility.**

Because of its high level of versatility, this material can be used not only in laboratories but also in doctors' practices, reception areas, bathrooms and operating theatres and on varied installations such as laboratory worktops, bathroom vanities and showers, laboratory furniture and numerous other applications.

## **Impressive design.**

With its diverse colour palette, translucency, sleek finish and nearly limitless formability, HI-MACS® allows for highly unique and extraordinary design possibilities.



Dental implant clinic, Bucharest, Romania | Design: Adriana Tihon/Atvanguard Surfaces, AMA Design | Fabrication: Atvanguard Surfaces | Photo: Stelian Popa



A sweeping welcome to the world! The vanity top, wall and ceiling panels in this maternity hospital are made from a continuous 60 cm wide strip of HI-MACS®. The result is an ultra-hygienic piece of furniture incorporating seating and a bathroom – with integrated bowl and ceiling lights.



Maternity, Valencia, Spain | Design: AMA Arquitectura de Maternidades | Architect: Angela Müller and Marta Parra | Fabrication: Jucalbe Carpinteria | Photo: David Frutos / BIS Image

Perfect dental or other medical hygiene and, above all, optimum ease of care for all the equipment in the treatment area play a key role in surgeries. If all countertops, wall- and furniture-claddings are installed without seams and visible joints, then contamination, dirt, viruses or bacteria do not stand a chance.



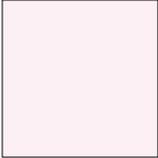
Imadern Institute, Geneva, Switzerland | Design: Patrice Reynaud Architectes | Fabrication: RS Agencement Steiner SA, kläusler acrylstein ag | Photo credit: Blaise Lambert

# Selection of popular colours in healthcare field.

HI-MACS® comes in a wide spectrum of colours. New effects are added regularly. The full colour palette can be viewed at [www.himacs.eu](http://www.himacs.eu).

## Lucent

When combined with precisely positioned light sources, the translucent pastel shades become transformed into dramatic design "highlights".

			
<b>Opal</b> S302 – Δ E4 12/6 mm	<b>Sapphire</b> S303 12 mm	<b>Ruby</b> S304 12 mm	<b>Emerald</b> S305 12 mm

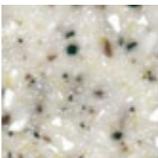
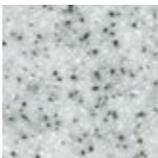
## Solids

From elegant to extravagant, classic to ultra-contemporary.

				
<b>Alpine White</b> S28 – Δ E3 19/12/9/6/3 mm	<b>Cream</b> S09 – Δ E3 19/12/9/6/3 mm	<b>Grey</b> S05 19/12/9/6/3 mm	<b>Chiffon</b> S113 19/12 mm	<b>Sky Blue</b> S203 12 mm

## Granite, Quartz, Sand & Pearl

A huge selection of textures and colours. Natural, elegant and perfect to combine.

			
<b>Arctic Granite</b> G34 – Δ E3 12/9/6 mm	<b>White Granite</b> G05 12 mm, Δ E4	<b>Almond Pearl</b> G08 12 mm	<b>Grey Sand</b> G02 – Δ E4 12/6 mm

**19 mm:** S28 Alpine White available in stock. All other solid colours on special order only.  
**3 mm:** S28 Alpine White available in stock. S09 Cream and S05 Grey on special order only.

Life is colourful at its best: It's great if creative design helps aid the healing process of patients, even better if the cheerful products like these bowls are first choice due to their hygienic properties as well.



# Disinfection Capacity

DISINFECTANT	REDUCTION OF TEST ORGANISM*	SPREADING OF TEST ORGANISM*
Aldehyde free disinfectant	> 5 log levels	no spreading
Peracetic Acid disinfectant	> 5 log levels	no spreading
Alcoholic disinfectant	> 5 log levels	no spreading
Aldehyde disinfectant	> 5 log levels	15 KBE / test field

\* Test organism = staphylococcus aureus ATCC 6538  
 Test conducted on S28 Alpine White according to EN 16615



Paediatric table and testing station, Paris, France | Design, Fabrication: LCCA | Photo: Massimo Pessina

A host of international certificates are all testament to the outstanding suitability of HI-MACS® in all areas of the medical sector.

# Technical data sheet

SPECIFICATION	RESULT		TEST METHODS
	SOLIDS	GRANITE	
Water absorption weight	<0,1%	<0,1%	≤DIN EN 438 Part 12
strength/thickness	<0,1%	<0,1%	
Slip resistance	>0,32 - 0,9		GMG100 (replaces R9)
Slip resistance	angle of acceptance of more than 10° to 19° = R10		DIN 51130
Water vapor transmission properties – diffusion resistance factor	18607	16150	DIN EN ISO 12572
Food tolerance	suitable for all colours		LMBG § 31
Hygiene	suitable	suitable	LGA Hygiene Certificate
Fire protection classification	B1		DIN 4102-1 DIN 5510
Flame-retardant properties MPA/NRW	non-dripping material		
HI-MACS® MPA/NRW	B1 for all colours*		DIN 4102-1 BS EN ISO 11925-2 : 2002 BS EN 13823: 2002
(BAM) 12 mm	B1 for all colours*		
(BAM) 9 mm + back-up (Bodycote/Warrington) 12 mm	B-s1, d0 for all HI-MACS® colours* complies with BS 476 class 0		
* not currently applicable to Eden, Lucent, Galaxy, Marmo and Volcanics			

Because HI-MACS® is a 100% homogenous and non-porous material, it is incredibly easy to clean. The material is also extremely dirt-repellent and highly durable.

# We would be pleased to provide you with details and information.

## HI-MACS®. The New Generation.

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