



 **LG Hausys**

[www.himacs.eu](http://www.himacs.eu)

# HI-MACS<sup>®</sup>

**The material of choice  
in healthcare.**

Because quality is especially critical here.



Natural Acrylic Stone<sup>™</sup>

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 children's centre where the cheerful motifs are directly printed on the HI-MACS® surface.



# The ultimate in hygienic standards make HI-MACS® the material of choice for healthcare experts.

Materials with outstanding hygienic properties and excellent resistance to pathogens and chemicals are simply essential in the healthcare sector. HI-MACS® has a seamless surface, which fulfils the above criteria perfectly. What is more, the material offers limitless opportunities for creative designers to develop toilets and wash rooms, which will impress customers and users, not just with their functionality and outstanding quality, but also with their attractive design.



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.

An almost seamless appearance 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 S028 according to the norm EN 16615, demonstrated an excellent disinfection capacity on the staphylococcus aureus bacteria. In addition to this, Alpine White S028 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.

## Beauty – throughout its lifetime

HI-MACS® is extremely durable and long-lasting, offering an excellent price/performance ratio and a 15 Years Warranty\*, the only of its kind on the market. LG Hausys is the only supplier in Europe to be so confident of its material quality that it offers a warranty period of this length.

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

## 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. The outstanding tolerances of HI-MACS® are very impressive in this installation which requires ultra-precise workmanship.



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. Quality at every stage of the process is critical in this environment.



Imadern Institute, Geneva, Switzerland | Design: Patrice Reynaud Architectes | Fabrication: RS Agencement Steiner SA, kläusler acrylstein ag | Photo: 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 [himacs.eu](http://himacs.eu)

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

Opal S302 – Δ E5 12/6 mm	Sapphire S303 12 mm	Ruby S304 12 mm	Emerald S305 12 mm

**Solids**  
From elegant to extravagant, classic to ultra-contemporary.

Alpine White S028 – Δ E5 20/12/9/6/4 mm	Cream S009 – Δ E5 20/12/6 mm	Grey S005 12/9/6 mm	Sky Blue S203 12 mm

**Granite, Quartz, Sand & Pearl**  
A huge selection of textures and colours. Natural, elegant and perfect to combine.

Arctic Granite G034 – Δ E5 20/12/9/6 mm	White Quartz G004 20/12/9/6 mm	Pebble Pearl G107 12 mm	Grey Sand G002 – Δ E5 12/6 mm

Life is colourful: it is magnificent when a creative design can help to support patients' healing processes and, even better, if products that exude positivity, like this washbasin, also impress with their hygienic quality and seamless installation.



# New perfection for healthcare applications

Spaciousness, durability and hygiene are all key quality features when choosing a sink for healthcare facility. Top quality models in the HI-MACS® range offer it all. These perfectly coordinated sinks are installed as undermounted creating extremely hygienic sink areas.

<p>CS354</p>	<p>CS404</p>	<p>CS454</p>	<p>CS504</p>
<p>CS204</p>	<p>CS453</p>	<p>CS553</p>	<p>To discover the entire HI-MACS® range please visit <a href="http://himacs.eu">himacs.eu</a></p> <p>HI-MACS® sinks are available exclusively in Alpine White S028. This shade works perfectly in combination with any other colour from the HI-MACS® sheet collection.</p> <div style="border: 1px solid black; width: 40px; height: 40px; background-color: #f0f0f0; margin: 10px auto;"></div> <p style="text-align: center;">Alpine White S028</p>



Hygienic and highly functional: with these 7 models, designers working in the healthcare sector have all the freedom of creativity they could ask for.

## 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 S028 Alpine White according to EN 16615

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.



Certificates recognised internationally can attest to the outstanding quality of HI-MACS® and its suitability for the medical sector.



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

## Technical data sheet

SPECIFICATION	RESULT SOLIDS	RESULT GRANITE	TEST METHODS
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

SPECIFICATION / SUBJECT	MATERIAL THICKNESS	RESULT	PRODUCT TESTED	TEST METHOD
Fire Classification	12 mm	B1	HI-MACS® colour range* S928, M551, G554	DIN 4102
		B1	S028 (standard)	DIN 4102 / ABP
		M1	S728, S828, S028, T017, VW01, W001	NF P92-501
		B - s1 - d0	HI-MACS® colour range* (2007)	EN 13501-1
	12 mm plus fibre cement board	B - s1 - d0	HI-MACS® colour range* (2014)	EN 13501-1
		B - s1 - d0	S728 CE MED	EN 13501-1 / SBI
	12 mm	C - s1 - d0	S928	EN 13501-1
		passed	S028 (standard)	DIN 5510
		passed R1/HZ3	S728 CE MED	EN 45545
		IMO certified	S728 CE MED	Module B & Module D

\* Products tested in the year 2007 and 2014: Alpine White, Fiery Red & Black.

Please feel free to contact us  
for further information.

**HI-MACS®. Because Quality Wins.**

European Headquarters:  
LG Hausys Europe GmbH  
Lyoner Str. 15  
60528 Frankfurt  
Germany  
info@himacs.eu



To find the contact for your region,  
please visit our website.

[himacs.eu](http://himacs.eu)



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- ☼ Some HI-MACS® colours are particularly suitable for outdoor applications because of their good UV-resistance. HI-MACS® offers a 10 Year Warranty on colours' UV resistance and loss of gloss over 40%, 10 Year Warranty on colour leaching and 20 Year Warranty on colour peeling, swelling or delaminating. The warranty is applicable after the first installation and is only valid for the sheet material; adhesives are excluded. The conditions for this warranty are based on practical experience and on-going tests.
- 💡 Lucent colours have a higher level of translucency, more evident when combined with light sources.