

## Say No to viruses and bacteria

### HI-MACS®: The perfect material for projects in the healthcare sector



*Healthcare facilities such as hospitals, medical and dental practices or laboratories must naturally comply with strict hygiene regulations. As a result of the current pandemic caused by the SARS-CoV-2 virus, the expectations of employees and visitors regarding the cleanliness and sterility of surface materials have increased even more. LG Hausys has produced a brochure to support the planning of these highly sensitive facilities, listing the benefits of the material to the healthcare sector and providing inspiration for planners and architects with numerous existing projects.*

Materials used for healthcare facilities must comply with the highest standards. With its smooth, non-porous surface, the LG Hausys HI-MACS® material meets all hygiene and functionality requirements. Due to the special surface and the ability to manufacture the material without any visible joints, dirt, mould, bacteria and viruses can be effectively prevented from attaching and spreading. Thanks to the extreme durability of the solid surface material, surface scratches are extremely unlikely. Minor signs of wear can be simply removed using a common sponge or cloth. Should repair works become necessary, they can be carried out quickly and without much effort, minimising repair and maintenance cost in the long term.

HI-MACS® is strong enough to withstand even the most aggressive cleaning agents used to clean sensitive areas such as operating rooms. The material can be subjected to cleaning processes with virucidal disinfectants used to kill viruses such as SARS-CoV-2 or HIV. Therefore – HI-MACS® is the most resistant solid surface on the market when following the ECDC\* cleaning protocols. In addition to its hygienic cleaning possibilities, the material itself is also free from toxic or harmful substances like formaldehyde or nanoparticles. This is reflected in awards such as the Greenguard Gold Indoor Air Quality certificate.

Thanks to these properties, HI-MACS® can be used in many different areas of the healthcare sector:



Nurses' stations and reception counters, patient and waiting room furniture, laundry rooms and sanitary facilities, operating room surfaces, doors, cafeteria and kitchen equipment as well as internal and external signage. The solid surface material offers architects and planners extensive creative freedom. Its thermoformability allows HI-MACS® to be moulded into almost any imaginable shape, facilitating extraordinary designs with tight bends and organic forms – attractive in an otherwise sterile environment. An extensive colour range – elegant to extravagant, classical to modern – helps designers and planners finding the suitable colours for their projects. In combination with precisely positioned light sources, translucent pastel shades offer endless possibilities to create spectacular design highlights. The result is a hospital, practice or laboratory environment that ensures the wellbeing of patients, staff and visitors, contributing to better staff performance and supporting the recovery process of patients.

Refer to the latest LG Hausys brochure for actual examples of application and detailed information. You can download this document using the following link: <https://go.himacs.eu/healthcare-uk-2020>



## HI-MACS® by LG Hausys

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

HI-MACS® is a solid surface material that can be moulded into any shape. It is widely used for architectural and interior applications, such as sculptural and high performance wall-cladding or kitchen, bathroom and furniture surfaces, in commercial, residential and public space projects. It is composed of minerals, acrylic and natural pigments that come together to provide a smooth, non-porous and visually seamless surface which meets the highest standards for quality, aesthetics, fabrication, functionality and hygiene – offering manifold advantages over conventional materials.

HI-MACS® provides limitless possibilities for surfacing solutions and inspires creative minds from all over the world. **Zaha Hadid, Jean Nouvel, Rafael Moneo, Karim Rashid, Marcel Wanders** and **David Chipperfield**, among others, have completed fabulous projects using HI-MACS®.

At the forefront of innovation as always, LG Hausys recently introduced two new products. First **HI-MACS® Ultra-Thermoforming**, an innovative formula that pushes the boundaries of solid surface shaping to a whole new level, with 30% more thermoplastic capabilities - the biggest innovation for the Solid Surface history since its inception in 1967. Now, **HI-MACS® Intense Ultra**, combining the characteristics from two disparate worlds: **Intense Colour Technology** and **Ultra-Thermoforming**.

LG Hausys' HI-MACS® uses a simple heating process to give three-dimensional thermoplastic forming capabilities, allows visually seamless designs, offers a virtually limitless range of colours and – for some shades - exhibits a special translucency when exposed to light. Although HI-MACS® is almost as robust as stone, it can be worked in a similar way as wood: it can be sawn, routed, drilled or sanded.

HI-MACS® is manufactured using a new generation technology, the **thermal cure**. The temperature reached during the manufacturing process sets HI-MACS® apart from other solid surfaces and creates a denser, even more homogeneous, sturdy, durable surface – with a better resistance and superior thermoforming performance.

HI-MACS® does not absorb humidity, is highly resistant to stains, and is easy to clean, maintain and repair.

Countless internationally recognized certificates attest to the quality of HI-MACS® in terms of ecological commitment, hygiene and fire resistance – being the first Solid Surface in the market to receive the official **European Technical Approval (ETA) for façades** – for Alpine White S728 colour. Furthermore, HI-MACS® has obtained the French **QB certification** and **CSTB ATec “Avis Technique”** for facade applications.

HI-MACS® offers a 15-year warranty for products fabricated by a Quality Club Member.



### HI-MACS®. Because Quality Wins.

For more information and to stay connected, visit our [website](#) and our [newsroom](#).

*Let's connect!*



\* **HI-MACS®** is designed and produced by **LG HAUSYS**, a world leader in the technology sector belonging to LG Group, and distributed by **LG HAUSYS EUROPE** based in Frankfurt (Germany).

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