



**THE NEW GENERATION.**  
Inspired by Architecture.

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



**WE LOVE ARCHITECTURE.  
BECAUSE IT'S THE STAGE  
FOR OUR LIVES.  
BECAUSE IT GIVES US  
FRESH INSPIRATION  
EACH DAY TO REINVENT  
OUR SPACES.**

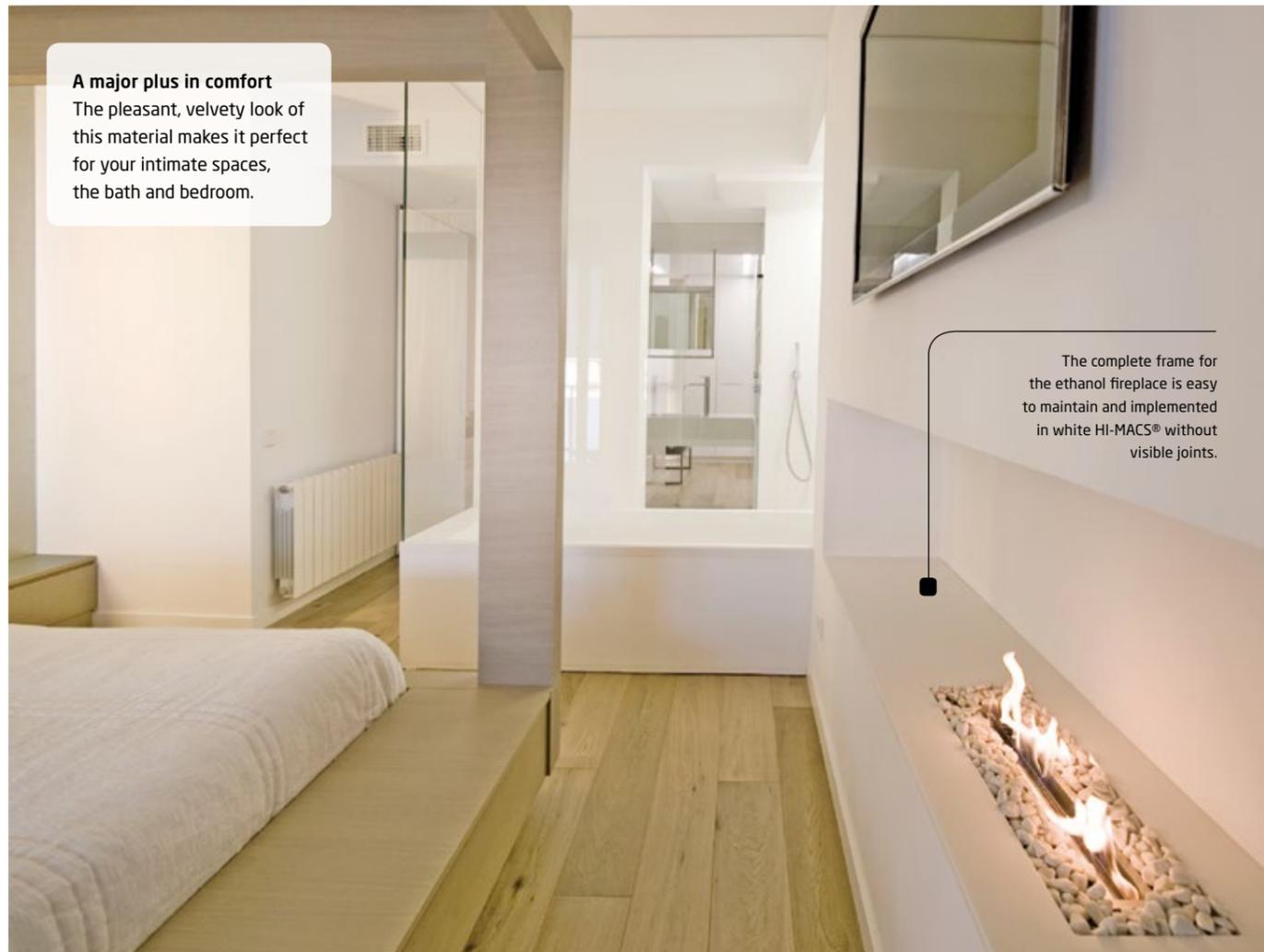
HI-MACS® is growing into the material of choice for high-end interior design. Linear designs with precise edges, elegant curving forms and emotional lighting effects: almost anything is within reach for this material of possibilities.

Project: Private House, Italy - Design: Simone Piva -  
Fabrication: Simone Piva - Photo: Francesca Bottazzin

**To make sure it stays that way, we have developed a solid surface that gives architects, designers and craftsmen the ultimate creative freedom: HI-MACS®. The material of the "New Generation". For your ideas, dreams and spaces.**

# FEEL COMFORTABLE WHEN IN YOUR STYLISH HOME

From the kitchen and bathroom to complete interior designs, from wide, open sweeping spaces to perfect solutions for the smallest details - HI-MACS® does much more than you might think, thanks to its excellent material properties, highly advanced manufacturing process and creative flexibility. The material adapts to your every vision, plan and requirement to meet each challenge head on - both today and tomorrow. This is what makes HI-MACS® the material of the future and the material of the "New Generation".



Project: "Doble Dueto" apartment, Spain - Design: RafaCub, Spain - Fabrication: Fustería Castelló - Maderas y Chapas Alpisa, SA - Photo: Sergio Pomar Montahud



Project: Taskirdi, Belgium - Design: Joke Holvoet, for Eift bvba - Fabrication: Eift bvba - Photo: Frederik Verccruysse

# OUTSTANDING FEATURES ABOUND. A COMPELLING MATERIAL.

HI-MACS® is an intelligent composition of acrylic, natural minerals and pigments that come together to provide a smooth, non porous and visually seamless surface which meets the highest standards for aesthetics, functionality and hygiene. Thanks in large part to its flexibility, HI-MACS® offers manifold advantages over conventional materials.



## THREE-DIMENSIONAL DESIGN

HI-MACS® boasts a simple heating process and three-dimensional thermoplastic forming capabilities. This allows for greater forming flexibility compared with other conventional materials so that spectacular ideas can quickly take on a concrete shape. No radius, shape or angle is impossible. The logical conclusion: a material that moulds to your idea and designs - not the other way around. Exactly how it should be.



## SEAMLESS PERFECTION

HI-MACS® allows for visually seamless manipulation. Smooth integration enables large areas without joints or edges as well as flush mounting of sinks or bowls. Not only do objects made from this solid surface material appear to be works of art cast from a single mould, the material's seamless manipulation and non porous

nature create surfaces which are extremely hygienic, easy-to-clean and thus ideally suited for use in hospitals and laboratories. The seamless finish also allows for repair and replacement without a visible trace should any part of a HI-MACS® installation be damaged at any time.



## DRAMATIC TRANSLUCENCY

Certain colours and thicknesses of HI-MACS® exhibit a special translucency when exposed to light. Various textures and patterns can be built into the material to intensify the HI-MACS® translucency effect. Depending on the light source, pattern and design, spectacular

cut-out effects can add visual interest and create a completely new sense of space. The translucent properties of this solid surface material make it the perfect choice for lamps and illuminated furnishings.



## UNLIMITED COLOUR SPECTRUM

Along with choice of material, colour selection is a crucial factor when it comes to high-quality design. Elegant White, warm Toffee Brown, bold Florida Orange, mystical Cima, translucent pastels or fine shimmer textures.

HI-MACS® offers a virtually limitless range of colours in all conceivable shades. More are being added every year, no matter what colour you choose, HI-MACS® remains 100% homogeneous.



## SIMPLE PROCESSING

Although HI-MACS® is almost as robust as stone, it can be worked in the same way as wood. Using conventional carpenters' tools, this solid surface material can be sawn, routed or drilled. It lends itself to the creation of

an endless variety of multi-dimensional forms and much, much more. No wonder most people working with the material have a background in woodworking and appreciate HI-MACS® as a natural partner for innovative ideas.

# SHAPING THE FUTURE. IN HARMONY WITH THE ENVIRONMENT.

Countless internationally recognized certificates attest to the fact that HI-MACS® has a strong focus on ecological aspects. Without exception, all HI-MACS® products are manufactured in accordance with the ISO 14001 environmental standard.

- **Composition:** aluminium trihydroxide, the main component of HI-MACS®, is a bi-product of aluminium production.
- **Manufacturing:** The production of this material is marked by an excellent energy balance. In addition, HI-MACS® plants in Cheongju (Korea) and Atlanta (USA) meet all environmental standards.
- **Transport:** The material is transported from the USA to Europe exclusively by ship. Within Europe, HI-MACS® observes the Euro-5 standards for reduced particulate emissions. The partner-network of LG Hausys Europe is selected thoroughly: the transport partner for Europe guarantees

- recycling of waste water, uses solar energy in the warehouse and trucks that run on gas. Therefore the LG Hausys-partner was awarded with the Green Truck Award 2013.
- **Processing:** The material allows for virtually waste-free processing.
- **Commitment:** LG Hausys conducts and publishes regular environmental audits along with energy consumption analyses. Thanks to the use of non-polluting fuels, greenhouse gas emissions have been cut by 15,000 tons per year since 2008.



## The Eden collection. Eco-friendly through and through.

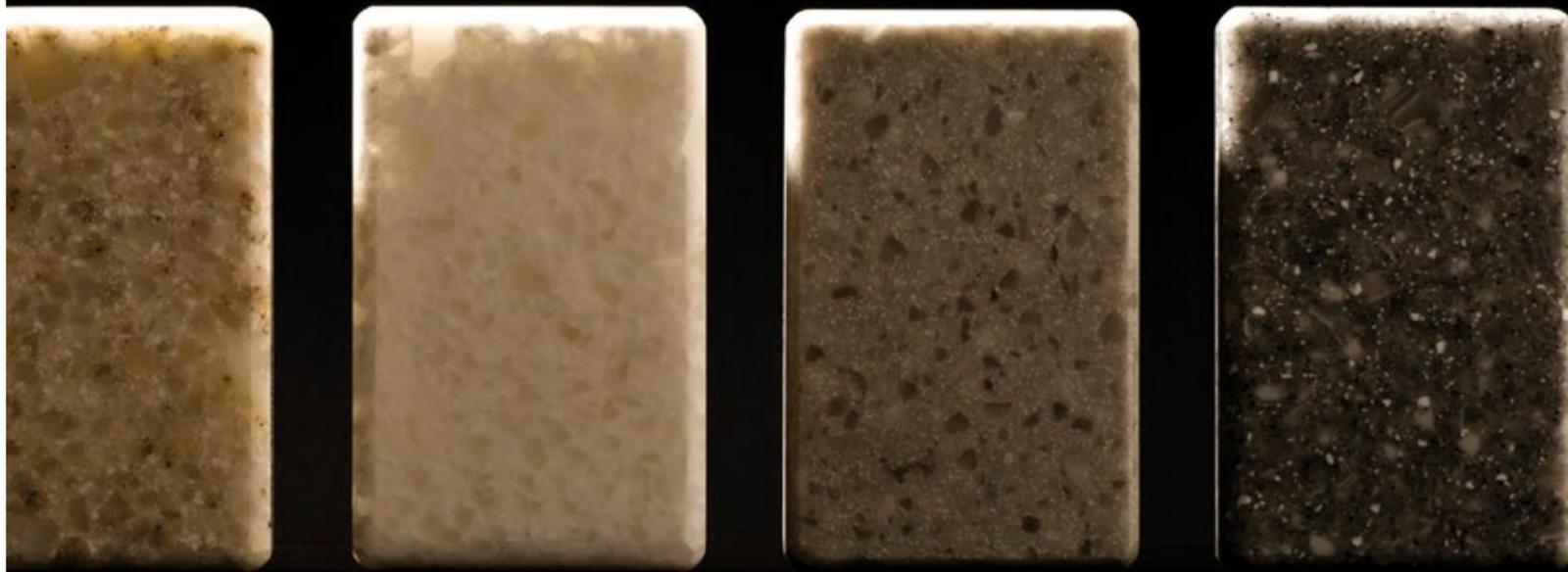
The Eden colour collection by LG Hausys is the most environmentally friendly solid surface material available on the market today. This one-of-a-kind colour palette consists of up to 35% recycled materials and is available in 8 warm, natural shades.

The Eden collection has been recognized by the U.S. Scientific Certification System for the large proportion of recycled material it uses. Furthermore, projects made from HI-MACS® Eden are eligible for LEED (Leadership in Energy and Environmental Design) certification from the U.S. Green Building Council, and may receive up to 2 credits in various LEED categories. Another solid and sustainable reason to choose HI-MACS®.



## ADVANCED TECHNOLOGY. FOR THE NEW GENERATION.

HI-MACS® is manufactured using a modern production method which includes strict safety standards and the regular inspection of raw materials. A new generation technology, the thermal cure, brings the material to a high temperature. The temperature reached during the manufacturing process sets HI-MACS® apart from other solid surface materials and creates a denser, even more homogeneous, sturdy and durable surface - with a better heat resistance and superior thermoforming qualities. Proving once again that HI-MACS® lives up to its reputation as the material of the "New Generation".



## COMMITTED TO QUALITY.

The HI-MACS® Quality Club is made up of experienced fabricators, processing plants and installation engineers. All members receive a top-quality individual training at an authorized Training Centre. All with the goal of ensuring that objects made from this solid surface material are created and processed under the highest quality conditions.

Loyalty is rewarded with a 15-year material-warranty\* for material fabricated and installed by a member of the HI-MACS® Quality Club. End users also benefit from an extremely high standard for service quality, and can rest assured in the durability of their HI-MACS® product.

\* not applicable to facade installations and disclaimer colours.



# HI-MACS® IS A TRUE ALL-AROUND TALENT IN A NUMBER OF MARKET SEGMENTS.

- LIVING SPACES
- KITCHEN
- BATH
- HOTELS
- FACADES AND WALL CLADDING
- PUBLIC BUILDINGS
- SHOPS AND EXHIBITIONS
- GASTRONOMY
- AIRPORTS
- MARINE INDUSTRY
- EDUCATIONAL INSTITUTIONS
- HEALTHCARE
- FURNITURE DESIGN



The wall appears to transition seamlessly into the ceiling above, becoming one large installation from a single piece.

**The favourite for grand ideas**  
The amorphous walls and furniture of this hotel room in Madrid are only possible because HI-MACS® is happy to deliver whatever curves you can dream up.

Project: Hotel Silken Puerta America, Spain - Design: Zaha Hadid Architects - Photo: diephotodesigner.de

## Hotels

HI-MACS® is an excellent choice for hotels thanks to its class and elegance. It boasts an exceptional value for money, a long lifespan and a vast array of creative possibilities. So it's only logical that HI-MACS® is a trusted material in numerous examples of today's most sought-after hotels.



Highly functional and exceedingly beautiful facades have been designed since HI-MACS® S728 Alpine White, combined with Keil inserts and a BWM structure, successfully passed all relevant ETA tests.

Project: Private House, Germany - Design: Dipl.-Ing. Volker Wiese - Kaden Klingbell Architekten - Fabrication: Kiebitzberg GmbH & Co.KG - Klopfer Surfaces - Photo: Dirk Wilhelm

**Facades and wall cladding**

For the 15 selected colours for outdoor applications HI-MACS® offers a combined 5-, 10- and 20-years warranty: 5 years warranty are issued on colours' UV resistance for a tolerance of ΔE3 to ΔE4 and loss of gloss over 40%, 10 years on colour leaching and 20 years 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.

**Public buildings**

HI-MACS® gives a significant boost to both design-related and functional possibilities. All kinds of ideas can be implemented with it, and even the most specific of requirements fulfilled. Opting for HI-MACS® is a safe

decision in the long term as well: the material undergoes all relevant product testing, meets the German Class B1 criteria for fire protection and boasts countless certificates which attests to its exceptional quality.



Milled inlays are set off to the best effect by dramatic backlighting.

An elegant HI-MACS® reception desk plays up the luxurious minimalist ambience.

Project: Porsche Museum, Germany - Design: Delugan-Meissl ZT GmbH - Fabrication: GRAICHEN Bau- und Möbelwerkstätten - Klöpfer Surfaces - Photo: Zooney Braun Fotografie



Illuminated displays show off antique paintings and HI-MACS® sheen.

Project: Schiller Museum, Germany - Design: COAST Office Architecture - Fabrication: Schreinerei Lell - Klöpfer Surfaces - Photo: David Franck



The pivotal point of the showroom: intricate circular latticework made from HI-MACS®.

All eyes over here: a streamlined display area deliberately directs the viewer's eye.

Project: Showroom ALV, Italy - Fabrication: Flusso, Facchinetti Group - Photo: Valter Baldan Fotografo

## Shops and exhibitions

All high-traffic, high-strain areas require a highly functional, durable material. Stores and exhibition spaces are no exception. Fortunately, HI-MACS® has no trouble meeting all these criteria.



Project: Audi international Stand - Design: oettle ferber associates - Fabrication: Pfeiffer GmbH & Co. KG - Photo: Zoey Braun Fotografie

## Gastronomy

Whether playful and romantic, super hip or classic cosmopolitan, HI-MACS® lets architects and designers create the mood of their choice. The properties of this solid surface material are as varied as the wishes of restaurant owners and their guests.



Project: Bar Counter, Slovakia - Design: Mgr. Art. Kristína Kremková - Fabrication: Kovovýroba Blecha - Photo: Roman Skyba



Stable substructure and illuminated design highlights all in one.

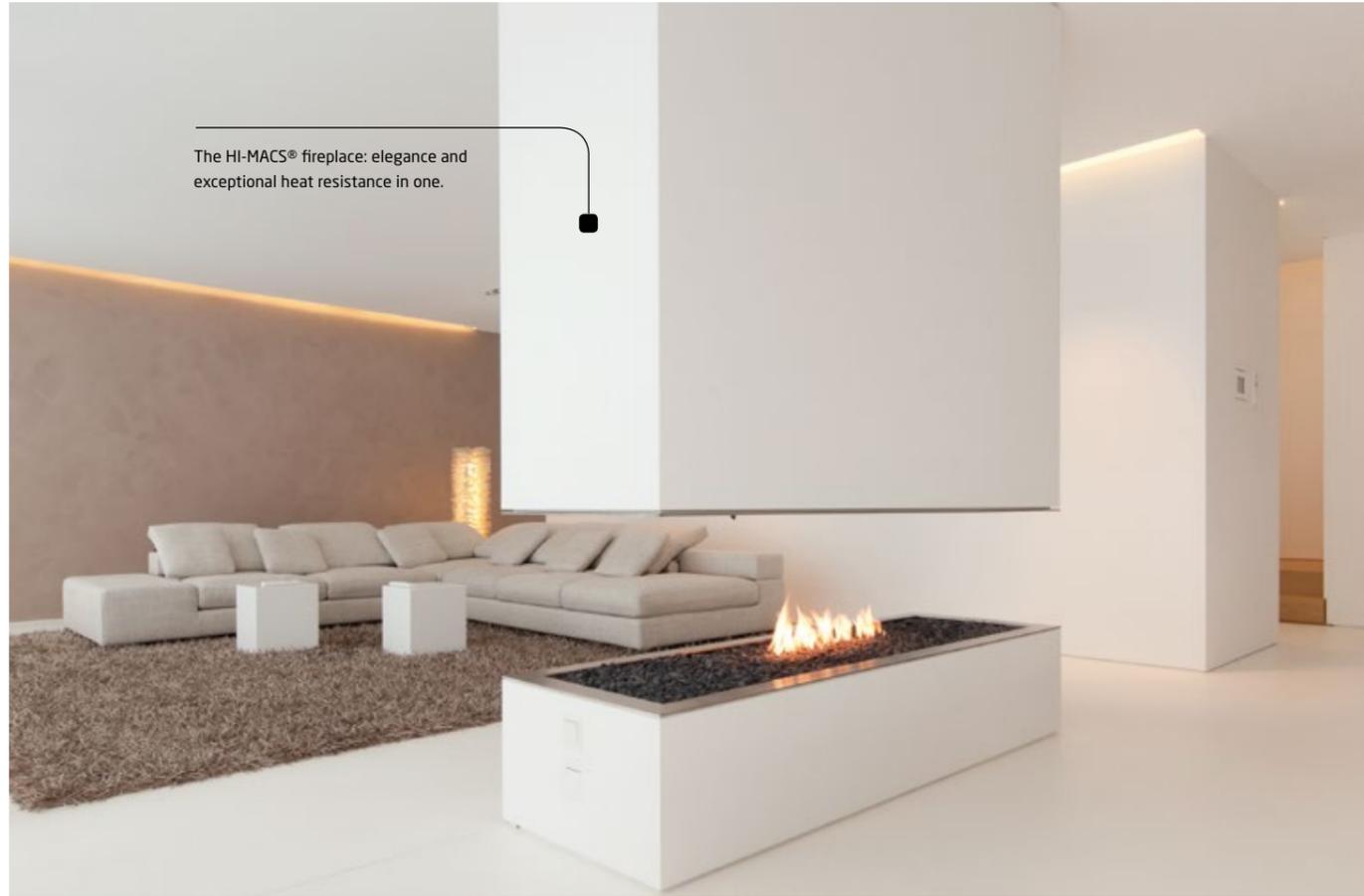
Gorgeous! This bar is magnificently stylish and functional. Water and a moist cloth are all that's needed to take care of HI-MACS® for years to come.

Project: Bar in Main Palais, Germany - Design: PurPur GmbH - Fabrication: Paul Schad Tischlerei GmbH - Klöpfer Surfaces - Photo: Thorsten Ruppert



## Living spaces

From floors to walls, from the terrace to the mantelpiece: HI-MACS® turns living spaces into customized live-in landscapes that appear to come from a single cast.



The HI-MACS® fireplace: elegance and exceptional heat resistance in one.



The key ingredient: the right material. HI-MACS® is virtually everywhere in this kitchen. Its countertops, sink, drawers and appliance casings are made from the solid surface material.

Sinks are flush with the countertop.

## Kitchen

HI-MACS® features a smooth, non porous and stain-resistant surface which is easy to clean and thus ideally suited for working with food. All installations created using this material are resistant to household chemicals. HI-MACS® also offers a wide range of matching sinks and makes it easy to create custom-made installations.



An imaginative table that reaches towards the pool like a diving board, now a reality thanks to this flexible material.

Project: Private House, Sweden - Fabrication: LG Collection - Photo: Focal Foto



Project: Bercei Kitchen, Spain - Fabrication: Realinox - Design: Mauel Menendez for Bercei

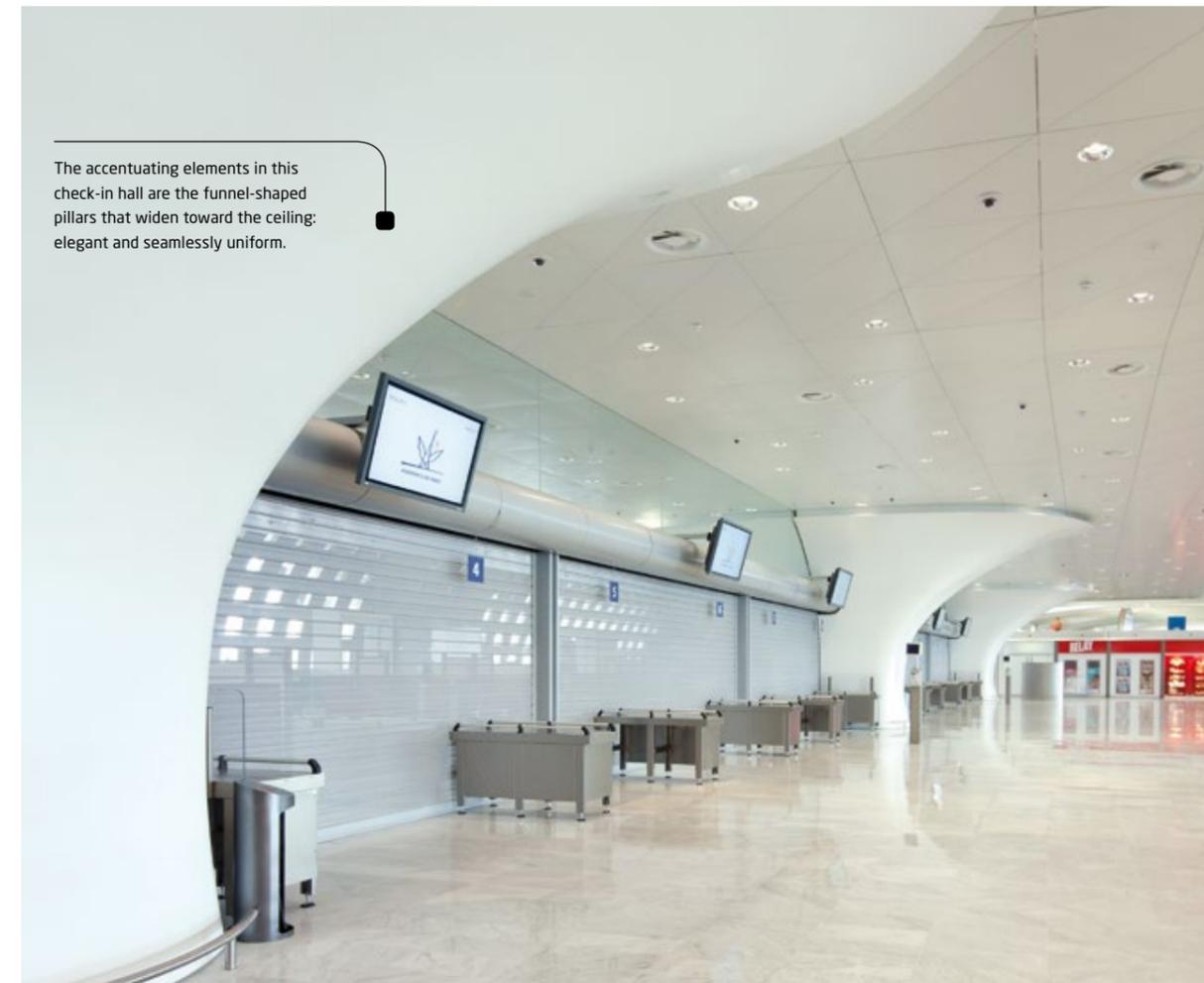
## Bath

Thanks to its unique look, water-resistant surface, and pleasant feel, HI-MACS® is ideally suited for use in the bathroom. HI-MACS® is an extremely sanitary, easy-to-clean material with a large selection of wash basins to explore.



**The perfect material for any bathroom**  
A square sink, fitted seamlessly into the counter, with stylish, flush furniture facings, a low-maintenance wall and tub cladding – all from one material: HI-MACS®

Project: Taskirdi, Belgium - Design: Joke Holvoet for Efft bvba - Fabrication: Efft bvba - Photo: Frederik Verduyck



The accentuating elements in this check-in hall are the funnel-shaped pillars that widen toward the ceiling: elegant and seamlessly uniform.

Project: Column cladding at Airport Paris Charles de Gaulle, France - Design: Marc Fidelle and Andrei David, Direction de l'Ingénierie et de l'Architecture d'Aéroports de Paris - Fabrication: LCCA - Photo: Mathieu Ducros

## Airports

Counters, shelves and other surfaces at airports are exposed to heavy loads and constant touching. This is why they must be manufactured from an extremely durable material which is both easy to clean and smooth and pleasant to the touch. HI-MACS® fits the bill: with this high-quality mineral material, installations will look as good as new for years to come.



## Marine industry

HI-MACS® is enjoying more and more popularity in the shipbuilding industry. On the one hand because the material is ideal for high-demand installations; on the other hand, because it meets essential criteria such as those for fire resistance and low flame propagation. A special formula of HI-MACS®, HI-MACS® FR, has been recognized for its excellence in this area with a Module B and D IMO certificate from the Marine Equipment Directive.

Project: Sustento New, Belgium - Fabrication: Efft bvba - Interieurinrichting

## Educational institutions

HI-MACS® is a favorite in universities and schools because of its visually seamless finish and non porous, sanitary surface. An independent laboratory has confirmed that the material's hygienic properties comply with international LGA and NSF standards.



Project: Newcastle University Student's Union, UK - Design: FaulknerBrowns Architects - Fabrication: Multi-Surface Fabrications Ltd - Photo: Cadzow Pelosi

## Healthcare

HI-MACS® is the material of choice in hospitals and laboratories thanks to its internationally certified resistance to dirt, viruses, bacteria and many chemicals. In addition to these sanitary advantages, the material boasts a number of other benefits including extreme durability and excellent value for money.



**The perfect material for using horizontally or vertically**  
A sink and counter in white with furniture facings in an elegant anthracite: all effortless to keep hygienic and clean.

Project: Aesthetic medical centre Imaderm - Design: Patrice Reynaud Architectes - Fabrication: RS Agencement Steiner SA, kläusler acrylstein ag - Photo: Blaise Lambert



**Hygienic and lovely in shape**  
Perfect hygiene is a decisive factor when working in the medical field. When 3D formation is skilfully applied and mixed with emotional lighting, even a physician's practice can be turned into an impressive experiential space like this one.

Project: Dental Clinic smileDentity, Germany - Design: Hubert Günther - Fabrication: Tischlerei Woodstar - Photo: Ralf Baumgartner

## Furniture design

Both classic and contemporary design ideas can be implemented thanks to the extensive colour palette, translucency and virtually limitless design flexibility of "Natural Acrylic Stone". The end results are creations that would be impossible to achieve with conventional materials.

It was the "long lasting quality" as well as the beauty of HI-MACS® that can be perfectly matched with their recent wood colours that made the designers of the renowned Swedish furniture manufacturer Karl Andersson & Söner select HI-MACS® as the key-material for two of their new collections.



## THE MAIN ADVANTAGES. AT A GLANCE.

The following properties make HI-MACS® stand out as the material of the "New Generation":

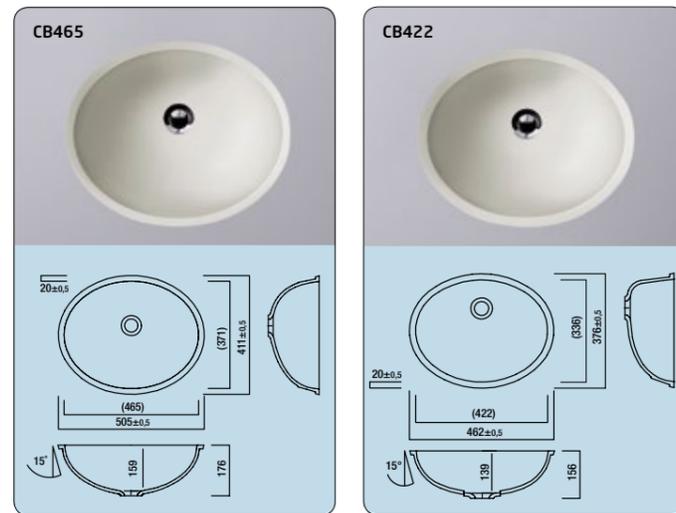
- Virtually unlimited range of applications
- Countless possibilities for customized design (colour, formability, translucency, etc.)
- Valuable, laboratory-tested raw materials
- Advanced manufacturing techniques
- High-quality processing technology
- Ecological commitment
- Wide range of sinks and bowls
- Ease of maintenance thanks to dirt-repellent surfaces
- Resistance to common household chemicals
- Resistance to bacteria and viruses
- Fire resistance and low flame propagation properties
- Excellent value for money
- 15-year warranty, which is the only one of its kind on the market

# SINKS & BOWLS

Every option is available to designers to create neat washrooms, kitchens, hospitals and much more with our wide range of HI-MACS® sinks and bowls. Perfectly coordinated and ideal for mixing and matching, the bowls and sinks guarantee a modern look that is easy and simple to look after.

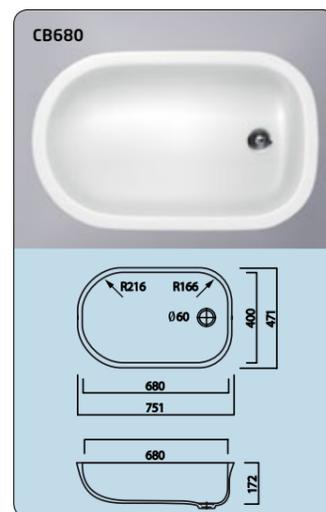
## HI-MACS® Bowls

HI-MACS® bowls offer superb ease of cleaning and a warm and pleasant feel, making them the ideal solution for creating the bathroom of your dreams. They are manufactured using a casting process and ideally suited for both flush mounting and installation into a bathroom vanity top.



## HI-MACS® Baby Bath

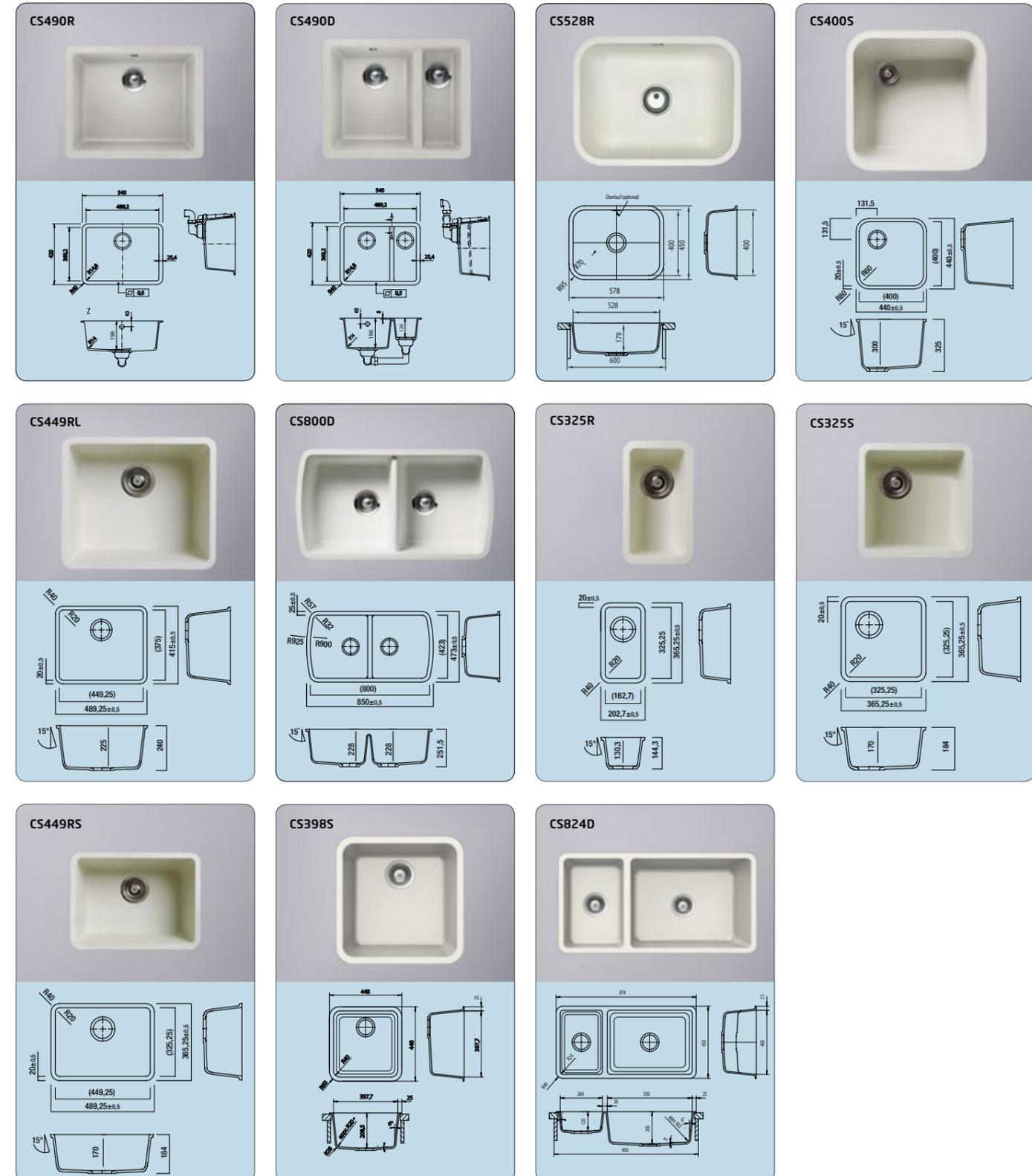
Nothing less than the maximum level of hygiene, ergonomics and warmth is good enough for the neonatal ward of any hospital. With ultra-soft corners and contours ergonomically designed specifically for babies, the new HI-MACS® Baby Bath is the perfect product for babies' first baths of their lives.



Only by special order:  
S01, S02, S05, S06,  
S09, S29, S033

## HI-MACS® Sinks

HI-MACS® sinks are produced using a high-quality casting technique. No matter which product you choose from our extensive, eminently combinable selection, all sinks are flush-mounted into the countertop or installed below the surface. Special custom-made creations are also an option.



## Dimensions - Sheet material

### Standard Format

| Sheet thickness in mm | Sheet width in mm | Sheet length in mm |
|-----------------------|-------------------|--------------------|
| 3                     | 930               | 3000 *             |
| 6                     | 760               | 2490               |
| 6                     | 910               | 2490 *             |
| 9                     | 760               | 3680               |
| 9                     | 910               | 3680 *             |
| 12                    | 760               | 3680               |
| 12                    | 910               | 3680 *             |
| 12                    | 1350              | 3680 *             |
| 19                    | 760               | 3680 *             |

\* Only available in S28 Alpine White.

\*\* Only available in S01 Satin White, S05 Grey, S06 Arctic Granite, S09 Cream, S22 Black, S25 Fiery Red, S104 Toffee Brown, S201 Nougat Cream.

\*\*\* Only available in S28 Alpine White and S06 Arctic White.

\*\*\*\* Only available in Solid colours.

### Special Format

| Sheet thickness in mm | Sheet width in mm | Sheet length in mm |
|-----------------------|-------------------|--------------------|
| 3                     | 930               | 3000 **            |
| 6                     | 910               | 2490 ***           |
| 9                     | 910               | 3680 ***           |
| 12                    | 910               | 3680 ***           |
| 12                    | 1350              | 3680 ***           |
| 19                    | 760               | 3680 ****          |

### Size matters -

#### to increase efficiency and reduce offcuts

HI-MACS® can be supplied in different sheet thicknesses, formats and sizes. Ideal for maximum cutting, minimum wastage and minimal costs. However, not all colours are available in any thickness. Please see the colour charts on the following pages for exact availability.

#### HI-MACS® fire resistant quality significantly widens the fields of application

HI-MACS® FR-version sheets are available in S728 Alpine White and manufactured to order in S801 Nougat Cream, S729 Ivory White, S706 Arctic White and S705 Grey.

Sheets in S728 Alpine White comply with the IMO Standard Modules B+D and M1. FR sheets are especially suitable for use in public buildings, external facades and in the marine industry.

## Chemical resistance

HI-MACS® is a fully homogenous material with no pores and is thus simple and easy to clean.

| Test substance  | Application time | Evaluation of G02 changes | Evaluation of S06 changes          |
|---|------------------|---------------------------|------------------------------------|
| Acetic acid   | 16h              | no change                 | no change                          |
| Citric acid   | 16h              | no change                 | no change                          |
| Sodium carbonate  | 16h              | no change                 | no change                          |
| Ammonium hydroxide  | 16h              | no change                 | no change                          |
| Ethyl alcohol   | 16h              | no change                 | no change                          |
| White wine, red wine  | 16h              | no change                 | no change                          |
| Beer  | 16h              | not tested                | not tested                         |
| Cola drinks   | 16h              | no change                 | no change                          |
| Instant coffee  | 16h              | no change                 | no change                          |
| Black Tea   | 16h              | no change                 | no change                          |
| Blackcurrant juice  | 16h              | no change                 | no change                          |
| Cream   | 16h              | no change                 | no change                          |
| Water   | 16h              | no change                 | no change                          |
| Petrol  | 16h              | no change                 | no change                          |
| Acetone   | 16h              | 3                         | 3                                  |
| Ethyl butyl acetate   | 16h              | 3                         | 3                                  |
| Butter  | 16h              | no change                 | no change                          |
| Olive Oil   | 16h              | no change                 | no change                          |
| Mustard   | 16h              | no change                 | no change                          |
| Salt  | 16h              | no change                 | no change                          |
| Onions  | 16h              | no change                 | no change                          |
| Lipstick  | 16h              | no change                 | no change                          |
| Common household disinfectant   | 16h              | no change                 | no change                          |
| Black pen - ballpoint   | 16h              | 2                         | 2 - 3                              |
| Stamping ink  | 16h              | 1                         | 1                                  |
| Cleaning agent  | 16h              | no change                 | no change                          |
| Cleaning solution   | 16h              | no change                 | no change                          |
| Wear resistance group according to DIN 68861*   | 16h              | 1B                        | 1B                                 |
| Evaluation according to DIN 68930 Table 1<br>Other work surfaces: wear resistance group: «1C» |                  | Requirement met +         | according to DIN 68861 & DIN 68930 |

\* 1A = Excellent; 1F = very bad 0 = no visible result; 5 = damaged

## Technical data sheet

HI-MACS® is extremely repellent to dirt and wear and tear, so that you can enjoy many years of pleasure with the outstanding quality of your new product.

| Specification   | Unit                                   | Result  | Test methods   |
|---|--|---|--|
|   |  | <b>Solids</b>   | <b>Granite</b>   |
| Flexural-E-modulus  | MPa                                    | 8900  | 7730   |
| Flexural strength   | MPa                                    | 70.1  | 64.3   |
| Breaking elongation   | %                                      | 1   | 1.1  |
| Tensile strength  | MPa                                    | 69.5  | 56.3   |
| Density   | g/cm <sup>3</sup><br>kg/m <sup>3</sup> | 1.75<br>1750  | 1.65<br>1650   |
| Ball indentation hardness   | N/mm <sup>2</sup>                      | 257   | 239  |
| Mohs hardness   |  | 2 bis 3   | 2 bis 3  |
| Pencil hardness   |  | >9H   | >9H  |
| Water absorption<br>weight<br>strength/thickness  |  | <0,1%<br><0,1%  | <0,1%<br><0,1%   |
| Impact resistance<br>impactor<br>drop ball test (fall height)   | N<br>mm                                | ≥25<br>≥1500  | ≥25<br>≥1500   |
| Slip resistance   |  | >0,32 - 0,9   |  |
| Slip resistance   |  | angle of acceptance of more than 10° to 19° = R10   |  |
| Climate change resistance   | °C                                     | ≥0,05   | ≥0,05  |
| Dry heat (pan base)   | °C                                     | ≥100 (7C)   |  |
| Damp heat (pan base)  | °C                                     | ≥100 (7C)   |  |
| Temperature change resistance   | °C                                     | no change   |  |
| Resistance to cigarette burns   |  | 6C  | 6B   |
| Scratch resistance  |  | 4D  | 4B   |
| Electrostatics<br>Conductivity  | >1x10 <sup>12</sup> Ω                  | insulating non-conductive   |  |
| Thermal conductivity  | W/mK                                   | 0.636   | 0.55   |
| Thermal resistance  | m <sup>2</sup> K/W                     | 0.038   | 0.045  |
| Thermal<br>expansion co-efficient   | mm/mK<br>m/m/°C                        | 0.048<br>30.0 x 10 <sup>-6</sup>  | 0.055  |
| Water vapor transmission properties - diffusion resistance factor   | μ                                      | 18607   | 16150  |
| Dimensional change by change in relative humidity<br>length<br>thickness<br>mass  | %<br>%<br>%                            | -0.03<br>0.06<br>0.05   | -0.02<br>0.03<br>0.05  |
| Resistance to boiling water<br>increase in weight<br>increase in thickness  | %<br>%                                 | <0,1<br><0,1  | >0,1<br><0,1   |
| Light fastness (Xenon)  | scale 0 - 10                           | better than 6   | better than 6  |
| Food tolerance  |  | suitable for all colours  |  |
| Hygiene   |  | suitable  | suitable   |
| Fire protection classification Flame-retardant properties MPA/NRW<br>HI-MACS® MPA/NRW<br>(BAM) 12 mm<br>(BAM) 9 mm + back-up<br>(Bodycote/Warrington) 12 mm |  | B1<br>non-dripping material<br>B1 for all colours*<br>B1 for all colours*<br>B-s1 , d0<br>for all HI-MACS® colours*<br>complies with BS 476 class 0 |  |
| * not currently applicable to Marmo, Galaxy, Volcanics, Lucent and Eden   |  |   |  |
|   |  |   | DIN EN ISO 178   |
|   |  |   | ASTM D638  |
|   |  |   | DIN EN ISO 178   |
|   |  |   | DIN EN ISO 527   |
|   |  |   | ISO 1183<br>ISO 1183   |
|   |  |   | DIN EN ISO 2039-1  |
|   |  |   | EN 101   |
|   |  |   | ISO 15184  |
|   |  |   | DIN EN 438 Part 12   |
|   |  |   | E DIN EN 438, 02/02 Part 2/20<br>E DIN EN 438, 02/02 Part 2/21 |
|   |  |   | GMG100 (replaces R9)   |
|   |  |   | DIN 51130  |
|   |  |   | AMK  |
|   |  |   | DIN 68 861, Part 7, 04-'85                                     |
|   |  |   | DIN 68 861, Part 8, 04-'85                                     |
|   |  |   | UNI 9429   |
|   |  |   | DIN 68 861, Part 6, 11-'82                                     |
|   |  |   | DIN 68 861, Part 4, 11-'81                                     |
|   |  |   | DIN IEC 1340-4-1, 04-'92<br>EN 61340-5-1                       |
|   |  |   | DIN EN 12664   |
|   |  |   | DIN EN 12664   |
|   |  |   | DIN EN 14581   |
|   |  |   | DIN EN ISO 12572   |
|   |  |   | DIN EN 318, edit. 5, 1998                                      |
|   |  |   | E DIN EN 438, 02/02 Part 2/12                                  |
|   |  |   | DIN 53 387, 04-'89   |
|   |  |   | LMBG § 31  |
|   |  |   | LGA Hygiene Certificate  |
|   |  |   | DIN 4102-1<br>DIN 5510   |
|   |  |   | DIN 4102-1<br>BS EN ISO 11925-2 : 2002<br>BS EN 13823: 2002    |

# COLOURS

Colours are key in design. Elegant Nordic White, warm Toffee Brown or mystical Cima.

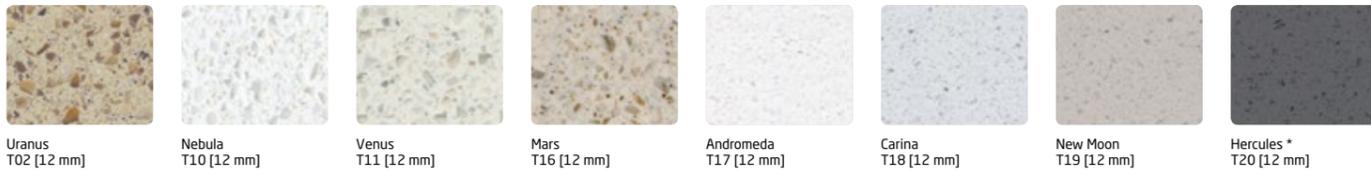
We have whatever colour you want - it's your choice.

## Extra service on demand

If needed, LG Hausys Europe can produce different dimensions and bespoke colours. To learn more about the conditions, please contact us on [www.himacs.eu](http://www.himacs.eu)

## Galaxy

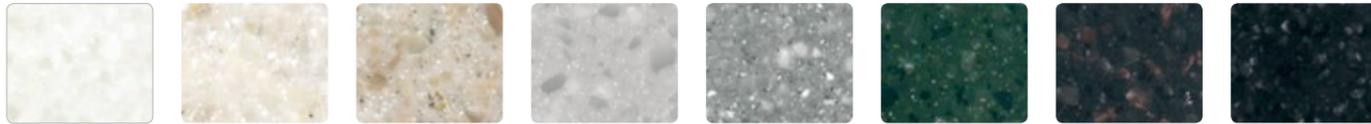
With transparent grains and mother of pearl shimmer, as if from another world.



Uranus T02 [12 mm]   Nebula T10 [12 mm]   Venus T11 [12 mm]   Mars T16 [12 mm]   Andromeda T17 [12 mm]   Carina T18 [12 mm]   New Moon T19 [12 mm]   Hercules \* T20 [12 mm]

## Volcanics

Full of depth and mysticism, akin to a precious natural stone but with all of the advantages of "Natural Acrylic Stone".



Gemini VW01 [12 mm]   Tambora VE01 [12 mm]   Mayon VE23 [12 mm]   Santa Ana VA01 [12 mm]   Frosty VA22 [12 mm]   Maui VG21 [12 mm]   Taos \* VB21 [12 mm]   Cima \* VB02 [12 mm]

## Marmo

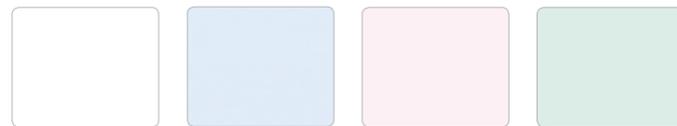
You will be captivated by its random veined texture, reminiscent of marble.



Bologna M103 [12 mm]   Roma \* M104 [12 mm]   Verona \* M105 [12 mm]

## Lucent

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



Opal S302 [12/6 mm], ΔE4   Sapphire S303 [12 mm]   Ruby S304 [12 mm]   Emerald S305 [12 mm]

## Solids

From elegant to extravagant, classic to ultra-contemporary - this is a limitless collection.



Nordic White S033 [19/12 mm] ΔE4   Alpine White S28 [19/12/9/6/3 mm] ΔE3   Diamond White S034 [19/12 mm] ΔE4   Arctic White S06 [19/12/9/6/3 mm]   Ivory White S29 [19/12/9/6 mm] ΔE4   Satin White S01 [19/12/9/6/3 mm]   Cream S09 [19/12/6/3 mm] ΔE3   Nougat Cream S201 [19/12/3 mm]   Almond S02 [19/12 mm], ΔE3   Babylon Beige S102 [19/12 mm]   Concrete Grey \* S103 [19/12 mm]   Carmenere \* S110 [19/12 mm]   Toffee Brown \* S104 [19/12/3 mm]   Marta Grey \* S108 [19/12 mm]   Light Green \* S212 [19/12 mm]   Lemon Squash \* S106 [19/12 mm]   Banana \* S26 [19/12 mm]   Orange \* S27 [19/12 mm]   Florida Orange \* S105 [19/12 mm]   Fiery Red \* S25 [19/12/3 mm]   Festival Pink \* S116 [19/12 mm]   Chiffon S113 [19/12 mm]   Steel Grey \* S109 [19/12 mm]   Grey S05 [19/12/9/6/3 mm]   Midnight Grey \* S117 [19/12 mm]   Sky Blue S203 [19/12 mm]   Deep Indigo \* S115 [19/12 mm]   Dark Night \* S111 [19/12 mm]   Coffee Brown \* S100 [19/12 mm]   Black \* S22 [19/12/9/3 mm]

**19 mm:** S28 Alpine White available in stock. All other solid colours on special order only.

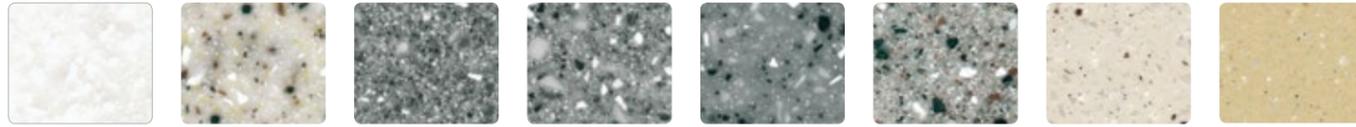
**3 mm:** S28 Alpine White available in stock. S01 Satin White, S06 Arctic White, S09 Cream, S104 Toffee Brown, S05 Grey, S201 Nougat Cream, S25 Fiery Red and S22 Black on special order only.

The basic HI-MACS® material is identical for every colour but it is important to note that darker and more heavily pigmented colours will show dust, scratches, haziness, marks left by hard water and other ordinary wear and tear more noticeably than lighter textured colours. Therefore colours marked with a \* are less suitable for applications that are exposed to extensive surface contact such as worktops located in heavy traffic area as an example. Due to specific characteristics and properties of the Marmo colours, which have a veined effect, special consideration has to be taken into account with jointing and the use of covered up-stands. Veining may vary from sheet to sheet. There may be deviations between the illustrated and actual colours owing to printing techniques. To receive the detailed availability, please contact us at [www.himacs.eu](http://www.himacs.eu).

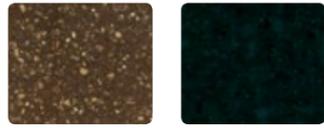
15 HI-MACS® colours are particularly suitable for outdoor applications because of their good UV-resistance. HI-MACS® offers a 5 years warranty on colours' UV resistance for a tolerance of ΔE3 to ΔE4 and loss of gloss over 40%, 10 years on colour leaching and 20 years on colour peeling, swelling or delaminating. 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.

## Granite, Sparkle, Quartz, Sand & Pearl

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



Arctic Granite G34 [12/9/6 mm], ΔE3  
 White Granite G05 [12 mm], ΔE4  
 Natural Granite G23 [12/9 mm]  
 Grey Granite G17 [12 mm]  
 Greystone Granite G60 [12 mm]  
 Platinum Granite G07 [12 mm]  
 Grey Crystal G102 [12 mm]  
 Peanut Butter G100 [12 mm]



Mocha Granite G74 [12 mm]  
 Black Granite\* G31 [12/9 mm]



Key Lime\* P100 [12 mm]  
 Kreemy Grey P101 [12 mm]  
 Kold Silver P102 [12 mm]  
 Kandy Pink\* P103 [12 mm]  
 Kanada Violet\* P104 [12 mm]

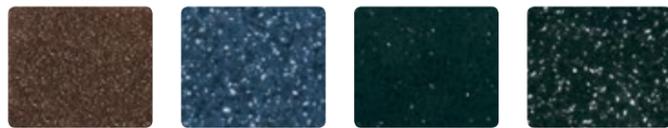
*fantasy*



White Quartz G04 [12/9/6 mm], ΔE4  
 Crystal Beige G101 [12 mm]  
 Moonscape Quartz G58 [12/9 mm]  
 Sea Oat Quartz G38 [12 mm], ΔE3  
 Ivory Quartz G30 [12 mm], ΔE4  
 Allspice Quartz G63 [12 mm]



Lunar Sand G108 [12/9 mm]  
 Pebble Pearl G107 [12/9 mm]  
 Riviera Sand G106 [12/9 mm]  
 Beach Sand G48 [12/9 mm], ΔE3  
 Almond Pearl G08 [12 mm]  
 Desert Sand G01 [12/9 mm]  
 Tapioca Pearl G50 [12 mm]  
 Grey Sand G02 [12/6 mm], ΔE4



Brown Pearl\* G105 [12 mm]  
 Midnight Pearl\* G15 [12 mm]  
 Black Pearl\* G10 [12/6 mm]  
 Black Sand G09 [12 mm]

# A STRONG PARTNER. FOR YOUR BOLDEST IDEAS.

Architects, designers and artisans appreciate HI-MACS® as a competent partner capable of taking on any challenge. We are happy to advise you during the planning and development phase and assist you in the successful implementation of your project. We have experienced representatives throughout Europe who can provide you with active support. Contact us today!

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

## Eden

A one-of-a-kind palette with warm natural shades and various grain sizes.

What makes the collection unique: it consists of up to 35% recycled materials.



Cocoa G501R [12 mm] 12% Recycled Content  
 Sugar Maple G510R [12 mm] 35% Recycled Content  
 Poplar G511R [12 mm] 35% Recycled Content  
 Birch Bark G514R [12 mm] 35% Recycled Content  
 Pecan G515R [12 mm] 35% Recycled Content  
 Hickory G516R [12 mm] 35% Recycled Content  
 Mountain Ash G517R [12 mm] 35% Recycled Content  
 Ripe Cotton G518R [12 mm] 12% Recycled Content

The Eden collection is available upon special request. More information about this range and its environmental benefits can be found on pages 8 and 9 of this brochure.

## Scoring eco-credits across the board.

The LEED (Leadership in Energy and Environmental Design) seal is a proven classification system for ecological, resource-saving and sustainable construction. The credit-based certification process rates buildings on a number of different criteria. Opting for HI-MACS® Eden in new construction and renovation projects may provide up to 2 credits in the following LEED categories:

### Indoor Environmental Quality (IEQ)

**LEED IEQ 4.1:** low-emission materials, adhesives and sealants (1 credit)

### Materials & Resources (MR)

**LEED MR 4.1:** materials with more than 10% recycled content (1 credit)

**LEED MR 4.2:** materials with more than 20% recycled content (2 credits)

# WE WOULD BE PLEASED TO PROVIDE YOU WITH DETAILS AND INFORMATION.

HI-MACS®. The New Generation.

## LG Hausys Europe GmbH

Avenue des Morgines 12  
CH -1213 Petit-Lancy,  
Geneva - Switzerland

Tel: +41 (0)22 879 54 80

Fax: +41 (0)22 879 54 89

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

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