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HI-MACS®

HI-MACS® 2018

Only the best material makes great ideas possible.



Natural Acrylic Stone™



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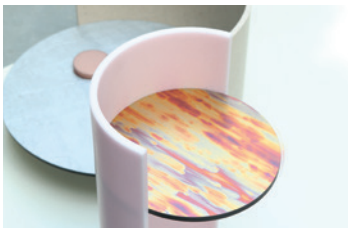
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What is HI-MACS®?

Team work & Material properties

HI-MACS®. Because Quality Wins.

HI-MACS® Ultra-Thermoforming

Product offering

LG Hausys Network

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What is HI-MACS®?

An outstanding material.

HI-MACS® is a delicate composition of acrylic, minerals and natural pigments that combine to create a smooth, non porous, thermoformable and visually seamless surface.

And an ongoing inspiration.

We have gathered a number of projects here, all of which are capable of inspiring and creating a desire to tread new paths.

The material meets the highest standards for quality in all aspects: material performance, fabrication, functionality and hygiene. Thanks to these qualities and the outstanding flexibility in fabrication and design, HI-MACS® offers countless advantages over conventional materials.

HI-MACS®. Because Quality Wins.

Photographed by Rafael Krötz

We believe in team work.

Anyone who wants to achieve goals understands the importance of partnerships. HI-MACS® is a reliable partner in every respect. We provide full support and a reliable partners' community with our Quality Club Network.



Meeting with designers for a project in The Netherlands



Tradeshow in London

All pictures on this page: Photographed by Ronald Smits



Quality Club Training session

Outstanding features abound. A compelling material.



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. Thanks to the new Thermalcure-technology the surface of HI-MACS® performs better than the standard in Solid Surface. You save precious time because it is easier to work with.



Seamless perfection
HI-MACS® allows for visually seamless fabrication. Smooth integration creates large areas without visible joints or edges as well as the flush mounting of bowls. This results in extremely hygienic, easy-to-clean installations, ideally suited for use in hospitals and laboratories.



Three-dimensional design
HI-MACS® boasts a simple heating process and three dimensional thermoforming capabilities. This enables greater forming flexibility compared with other conventional materials so that spectacular ideas can quickly take on a concrete shape. HI-MACS® Ultra-Thermoforming formula allows the material to be better shaped; the minimal internal radius of 6 mm (previously 50 mm) opens a wholly new design dimension.

New:
HI-MACS®-Ultra-
Thermoforming



Dramatic translucency
Certain colours and thicknesses of HI-MACS® exhibit a subtle translucency when exposed to light. The translucent properties of HI-MACS® make it the perfect choice for lamps and illuminated furnishings.



Huge colour spectrum
Colour selection is a crucial factor when it comes to high-quality design. HI-MACS® offers an enormous range of colours. No matter what colour you choose, HI-MACS® remains 100% homogeneous.

All fabrication pictures on this page: Photographed by Dominik Obertreis
Sample picture: Photographed by Petr Krejčí

Quality is the longest warranty in the market.
We support our Quality Club Members with a 15 year warranty.
The longest warranty in the solid surface market.

Quality is in our DNA.

HI-MACS® benefits from the high-tech infrastructure and development-experience of the LG Group who regularly bring stunning innovations to life. LG guarantees superior quality for all raw materials; the acrylic in HI-MACS® is produced by our own factories, certifying excellence from the source.

Quality is available.

We stock the entire colour and product range in one European central warehouse and 40 local warehouses in Europe.

Quality is worldwide support.

Full access to LG after-sales support and fabrication network worldwide.

BECAUSE
QUALITY
WINS



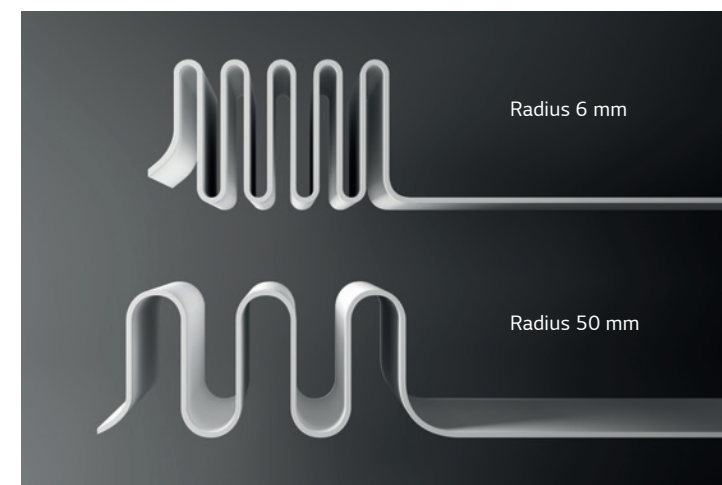
Quality is an excellent network of highly skilled craftsmen.

Our highly skilled fabrication partners enjoy regular training to provide you with the best possible product. They have access to the best in class training material and support. The most skilled fabricators of HI-MACS® are easy to identify as they are certified members of the HI-MACS® Quality Club. Contact us for your nearest member.

Quality is customer-oriented product development.



HI-MACS® ULTRA-THERMOFORMING
Extreme Curves



Innovation I:

A new and unique incarnation of HI-MACS® enables amazing thermoforming qualities.

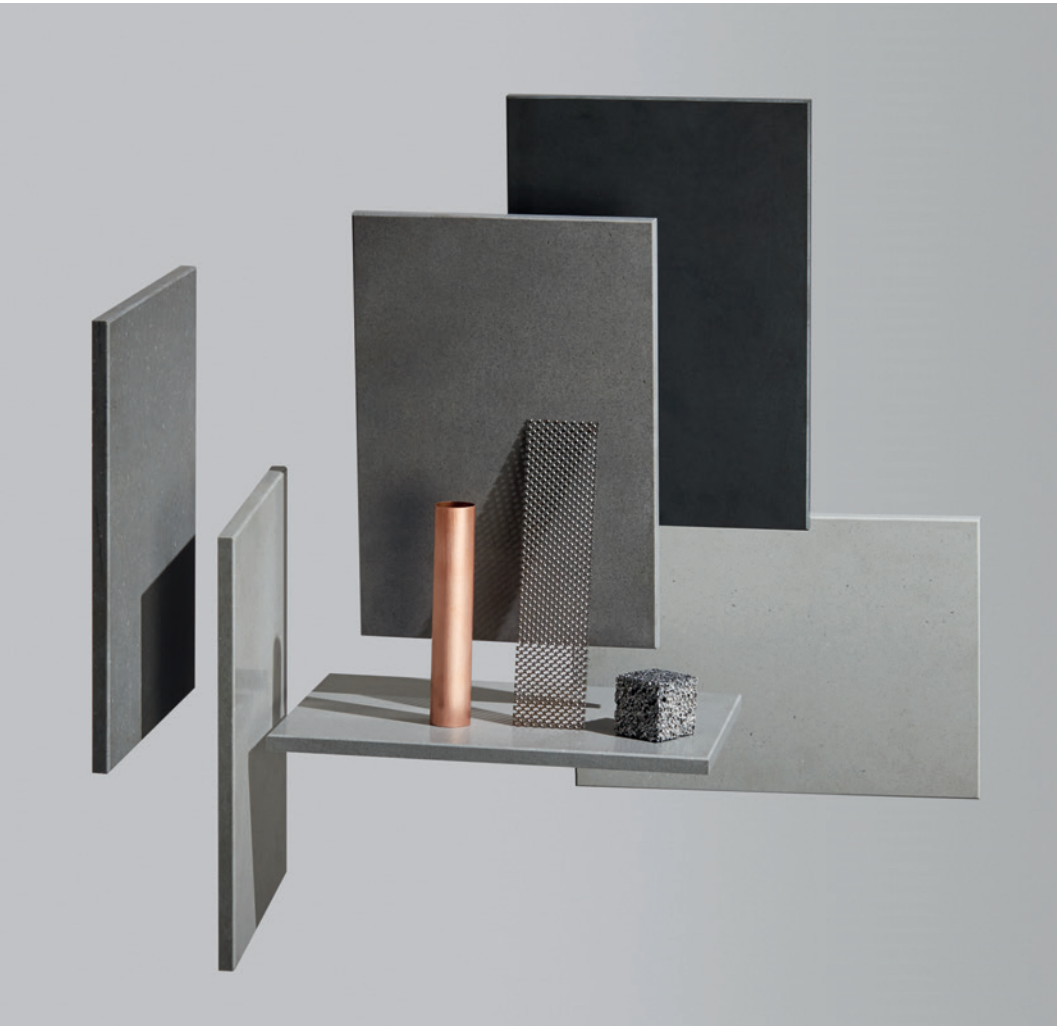
HI-MACS® Ultra-Thermoforming is a new HI-MACS® formula – available in Alpine White, 12 mm thick sheets – which transforms three-dimensional designs, by allowing internal radii of just 6 mm. This, compared to the usual curvature of 50 mm, means far more precise designs can be achieved. The sheets are available in 760 x 3680 mm sizes.

Innovation II:

The new, high-performance adhesive is more viscous and bonds better, with enhanced UV qualities.

LG Hausys have also enhanced their adhesive, which now comes with better adhesive qualities, has a higher viscosity to eliminate dripping, and also has a better UV resistance.

LG Hausys sets new trends in Quality.



2018 trend colours: HI-MACS® presents the new Concrete Series.

Concrete surfaces are becoming ever-more important in modern architecture; concrete as a material provides originality, roughness and warm-toned aesthetics in various shades of grey.

HI-MACS® has achieved this charming look, and combined it with all the benefits of the latest generation solid surface materials: the collection is available in five colours which reflect the characteristics of concrete in a way that was not possible in the past.

Photographed by Rafael Krötz



The HI-MACS Structura® range can be used in interior design, as well as outdoors, for instance as the cladding for a façade.



Thanks to its outstanding aesthetics as well as material and manufacturing quality, HI-MACS Structura® was awarded the prestigious Archiproductions Design Award 2017 in the Components and Materials category.

HI-MACS Structura®. The next great innovation from LG Hausys.

HI-MACS® can now be three-dimensionally textured, thanks to HI-MACS Structura® and our new thermoforming technology. With ten attractive patterns we expand the possibilities of your design using HI-MACS®.

Sheet material, sinks, bowls and a comprehensive accessories range.

HI-MACS® sheet material comes in 3 mm, 4 mm, 6 mm, 9 mm, 12 mm and 19 mm thicknesses and in eight standard formats. In addition, oversizes are offered in four special formats.

The comprehensive HI-MACS® bowls, sinks and top-mounted basins range provides products for bathrooms, kitchens, hospitals and many other applications. All sinks and bowls can be incorporated or integrated flush within the worktops. Special customised products are also available outside the standard range.

The standard HI-MACS® formats are 760 x 2490 mm, 760 x 3680 mm, 910 x 2490 mm, 910 x 3680 mm, 930 x 3000 mm, 1350 x 3000 mm, 1350 x 3680 mm, 1520 x 3680 mm.



All pictures on this page: Photographed by Petr Krejci

The Updated Marmo Collection

Nine new colours complete this collection and fulfil current trends for high-quality marble looks ranging from pale white-in-white, through shades of grey, to striking dark-brown and anthracite tones.



Facades and
 Wall Cladding

HI-MACS® superior quality makes it ideal for using in cladding projects, facades and wall linings.

Formed by a sea breeze
 This ultra-modern villa on the French Riviera conjures images of a super yacht: With its striking railing, different-sized portholes made of HI-MACS® and especially the sinuous wind- and weather-resistant facade made of the same high-tech material, this impressive building perfectly reflects its maritime location above Cannes

Villa in Cannes
 Location: Cannes, France
 Design: Pierre Guidoni, Jean Rogliano
 Fabrication: Menuiserie Bareau, France
 HI-MACS® Supplier: Mobistrat, France
 Material: HI-MACS®, Cream



Our HI-MACS® material dominates inside as well as out. The outstanding thermoforming qualities which are vital to architects and designers work inside, while the resistance to wind, weather, UV radiation make HI-MACS® the perfect outdoor material.

All images on this page: Photographed by Mathieu Ducrois



Sokcho House in White

Location: Inheung-ri, Toseong-myeon, Goseong-gun, Gangwon-do, South Korea

Design: Woo-jin, LIM AEV Architectures, aev-architectures.com

Material: HI-MACS®, Alpine White

At first glance, the silhouette of this house appears to be simple. However it posed a challenge to architects and finishers: the interlocking cubes, some with seamless surfaces, some with distinctive dividing lines, are all made of HI-MACS®.

The house that plays with light

HI-MACS® has a sensuous way of dealing with light: When used as a facade the material provides great aesthetic properties. The light is absorbed or reflected, depending upon the intensity and angle of incidence, and gives the Sokcho Housing in Alpine White a mystical feel.



Bieblova Façade

Location: Prague, Czech Republic

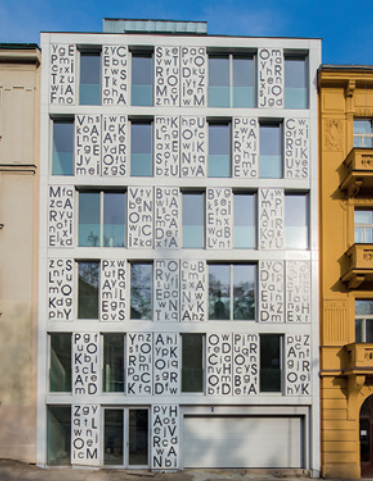
Design: P6PA+Architects, s.r.o., p6pa.cz, Martin Klejna, Javier Navas Fabregat

Fabrication: Duolit s.r.o., Atlas Group s.r.o., Dřevovýroba Podzimek s.r.o.

HI-MACS® Supplier: Polytrade CE, s.r.o., Czech Republic

Material: HI-MACS®, Alpine White

Precise milling, effective back-lighting, near-invisible installation equipment and the robustness of an inner-city facade: HI-MACS® offers all this.



When the facade tells a story

The façade of the Bieblova residence project, built using HI-MACS® Solid Surface, has been designed by P6PA+Architects as a tribute to Konstantin Biebl, a prominent Czech poet from the inter-war period who lends his name to the street in Prague where the building is located.



Public Buildings
and Offices

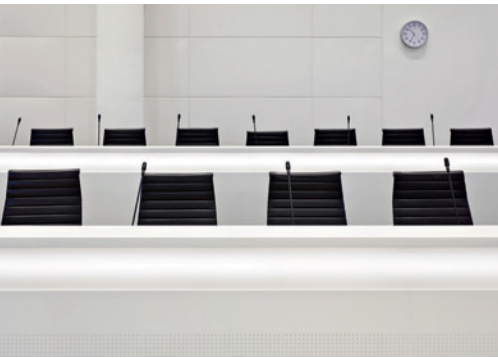
The requirements for public spaces are very demanding. It's therefore good to know that HI-MACS® regularly undergoes all of the relevant product tests and holds all the required certificates to prove its superior quality.

City hall

Location: Den Haag, Netherlands
Design: Rietveld Architecten, New York
Fabrication: Meubelmakerij Het Woud, The Netherlands
HI-MACS® Supplier: Baars & Bloemhoff, The Netherlands
Material: HI-MACS®, Alpine White

Play with light and lightness

The extra-long benches in the seating area of the Great Hall of The Hague in the Netherlands are luminous and floating, which makes the area bright and light. When architecture has such a bold requirement it needs the perfect material partner – HI-MACS®.





Showroom Nicolas Feuillatte

Location:	Chouilly, France
Design:	SAT Manager, France
Fabrication:	JP Martin Menuiserie, Agnesina
Distribution:	ASKA Interior, France
Material:	HI-MACS®, Alpine White



Popping the cork

Champagne is more of a lifestyle than a drink. This combination of quirkiness and elegance, of uniqueness and extravagance is beautifully displayed in the tasting rooms at Nicolas Feuillatte. The curving, back-lit bars with their milled, subtle patterns provide the perfect tasting backdrop.



All images on this doublepage: Photographed by Olivier Cez



Plantronics

Location: Hoofddorp, The Netherlands

Design: Plantronics

Fabrication: van't Wout Interieurbouw, The Netherlands, wout.nl

HI-MACS® Supplier: Baars & Bloemhoff, The Netherlands

Material: HI-MACS®, Alpine White

Generous geometry made of HI-MACS® and wood

HI-MACS® makes it possible to build large surfaces in one piece. Even the connection with the beautiful wood is almost seamless here: Design and carpentry at the highest level.



Stairs

Design: Ingenieurbüro Pradel GbR, Germany

Fabrication: Nautilus Treppen GmbH & Co. KG, Germany, nautilus-treppen.de

HI-MACS® Supplier: Klöpfer Surfaces, Germany

Material: HI-MACS®, Diamond White

Elegant climb to the next dimension

A staircase allows people to climb from one level to the next. Here it is a work of art because the entire piece, made of one material in one colour, provides continuous radii and harmonious dimensions, melting into a curved unity. Thermoformed HI-MACS® elements, beautifully assembled, turn the staircase into a near-seamless, one of a kind, piece of art.

All images on this page: Photographed by Willem Defijn

Photographed by pixq - Martin-Bähr - Picture and Design

Hospitality and
Gastronomy

HI-MACS® creates visual, statement features in the trendiest of bars, the most upmarket of restaurants and the most happening clubs. Especially for internationally operating hospitality chains it is good to know that LG Hausys offers a global after sales service with their network-partners.

V Rev Vegan Restaurant

Location:	Manchester, United Kingdom
Designer:	Acme Refrigeration, United Kingdom
Fabrication:	Retail Outlet Design, United Kingdom
HI-MACS® Supplier:	James Latham, United Kingdom
Material:	HI-MACS®, Emerald, Banana

Optimistic zig-zag
Anyone who enters this bar cannot fail to feel the positive, happy vibes: made of HI-MACS® in emerald and banana tones, this impressive bar is the centre of attention in an otherwise restrained, discreet environment. The bright yellow surface of the bar is also made of HI-MACS®: the perfect material for easy cleaning.



Photographed by Willem Defijn



Photographed by Acme

A black cube called “Tauro”
“Tauro,” the bull: strong, black, imposing. The great bar at this inner-city cafe radiates strength and confidence. The large inlay with the brand logo reinforces the impression of power.

Tauro

Location:	Den Haag, The Netherlands
Designer:	Same-D, The Netherlands, same-d.nl
Fabrication:	van't Wout Interieurbouw, The Netherlands, wout.nl
HI-MACS® Supplier:	Baars & Bloemhoff, The Netherlands
Material:	HI-MACS®, Dark Night



An abundance of white for the perfect presentation

If you want to sell something delicious, you need to make sure that the surroundings help to whet the appetite. The generous, seamless surfaces in pure white create the perfect background for the hand-made pralines from Leek. When combined with the black and white photographs and the herringbone parquet flooring in cherry wood, it almost feels like a museum.

Patisserie Leek

Location: Beverwijk, The Netherlands

Design: Bert Beijersbergen, The Netherlands, beijersbergenbv.com

Fabrication: Bone Solid, The Netherlands, bonesolid.nl

HI-MACS® supplier: Baars & Bloemhoff, The Netherlands

Material: HI-MACS®, Alpine White

Shops and Exhibitions

It is an accepted fact in retail, that no compromises can be made in terms of quality. And HI-MACS® does just what the high-tech brand LG promises. With its limitless possibilities, the material meets the demanding requirements to perfection.



Beautiful, this elegant beauty salon in Barcelona

In a beauty salon, the décor is particularly important as is the impression it gives. Here Salon Vanitas has used a fluid composition of high-quality materials such as dark wood, fine tiles and bright white HI-MACS®.

Salon Vanitas Espai

Location: Barcelona, Spain

Design: Cm2 Disseny, Spain, cm2disseny.com

Fabrication: Ideas & Ambientes, Spain, ideasyambientes.com

HI-MACS® Supplier: Gabarró Hermanos, Spain

Material: HI-MACS®, Alpine White

Sparkasse Pforzheim Calw – Service area for precious metals and foreign currencies

Location: Pforzheim, Germany

Design: Die Werft Raißle & Sieber PartG mbB Ausstattungs-gestaltung Innenarchitektur, Germany, diewerft.com

Fabrication: Friedrich Hanselmann GmbH & Co. KG/ Hasenkopf Holz und Kunststoff GmbH & Co. KG, Germany

Material: HI-MACS®, Arctic White



The furniture speaks for itself

Oval presentation islands made of HI-MACS®, custom-produced for each display, the tops and doors on this elegant furniture are all made of HI-MACS®. Even with high traffic, the elements are robust and easy to care for. Moreover, it creates a professional, museum-like atmosphere, and therefore a perfect stage for exhibitors.

Healthcare

Cleanliness and sterility are paramount in hospitals and laboratories and any materials used should meet the strictest quality-standards. Its internationally certified resistance to dirt, viruses, bacteria and numerous chemicals makes HI-MACS® the first material of choice in the healthcare sector.



Ortho Assumburg

Location: Heemskerk, The Netherlands
Design: Been Design, The Netherlands
Fabrication: Bone Solid, The Netherlands, bonesolid.nl
HI-MACS® Supplier: Baars & Bloemhoff, The Netherlands
Material: HI-MACS®, Alpine White



Perfect hygiene is clear to see

This dental practice uses HI-MACS® on all horizontal surfaces; in some cases, the horizontal and vertical surfaces are joined with a small curved radius that is easy to clean. The lower cabinets have been taken over from previous use and the round bowls are perfectly integrated into the surface. They are flush-mounted, which provides a highly-functional, unobtrusive working environment that easily meets all hygiene standards.

Dental Practice Langer

Location: Torgau, Germany
Design: Geilert GmbH, Germany, geilert-gmbh.de
Fabrication: Geilert GmbH, Germany, geilert-gmbh.de
HI-MACS® Supplier: Klöpfer Surfaces, Germany
Material: HI-MACS®, Alpine White

Seamless throughout

The treatment stations in this modern practice are flush and seamlessly joined throughout; in addition to the sinks and wall coverings, even the electrical outlets are integrated flush into the HI-MACS® work surfaces.

Living Spaces

Any materials used within your home should be selected with utmost care as you will be using them for many years. The exclusive 15-year warranty with a Quality Club fabricator ensures that your satisfaction is guaranteed.



Cocoon Living

Location: Amsterdam, The Netherlands
Design: Sander van Eyck – Cocoon Living, The Netherlands, cocoon-living.nl
HI-MACS® Fabrication: Vincent Vd Burg Meubelmakerij, The Netherlands
HI-MACS® Supplier: Baars & Bloemhoff, The Netherlands
Material: HI-MACS®, Alpine White

Seamlessly blending traditional and modern

It's hard to believe that the rooms you see here are located in an old, abandoned building in Amsterdam. Modern architecture was used in the renovation; the narrow basic structure of the rooms was countered by radiant white and clever, room-saving details to create a light and spacious feel. The wash-basins, for example, are a marvel of space-saving techniques: the wash-basins, sinks and furniture doors are all made of HI-MACS®.

All images on this doublepage: Photographed by Pam Kat Photography

Kitchen

The ingredients, as well as the material on which they are prepared, have a key role to play in creating a thoroughly high-quality meal. HI-MACS® is a non-porous, dirt-repellent and hygienic surface, and combined with its Thermalcure-technology, results in the best surface-quality for working with food and everyday household chemicals.



All images on this page: Photographed by © Fotografie Valerie Clarysse - 2017



All images on this page: Photographed by Pedini Cucine

Residence C

Location: Koekelare, Belgium
Design: Projectvijf, Belgium
Fabrication: Waeles NV, Belgium, waeles.be
HI-MACS® Distribution: Engels Design & Decoration, Belgium
Material: HI-MACS®, Alpine White



The almost invisible huge island
The expansive white work surface with the flush, integrated, double sink provides generous space in this kitchen whether cooking or entertaining. The modern island even has a light and airy breakfast bar at one end. The trick is to use the 12 mm “thin” version of the worktop, which seems to almost float on top of the units.



Artika kitchen

Design: Pedini, Italy, pedini.it
Fabricator: FG Arredi srl, Italy, fgarredi.it
Material: HI-MACS®, Babylon Beige

Pedini, a designer kitchen manufacturer, created Artika completely from HI-MACS®
For any kitchen designer working with curved surfaces, the best solution is to use mineral materials. Artika is a range from Pedini, an Italian manufacturer, which showcases doors with no handles and fully integrated sinks and hobs on the flat surfaces. This simple, chic look, shown here in Babylon Beige benefits from the material properties of HI-MACS®.

Private House

Location: Amsterdam, The Netherlands

Design: Willem Benoit, Belgium, in collaboration with Bob the Kort, The Netherlands

Fabrication: Houtwerk BV, The Netherlands, houtwerk.nl

HI-MACS® Supplier: Baars & Bloemhoff, The Netherlands

Material: HI-MACS®, Alpine White



Photographed by Stijn De Graeve – footoo



All images on this page: PhotoGraphised by Valerie Clarysse

HI-MACS® brightens the interior of an historic building

In one of the most-visited neighborhoods of Amsterdam stands an old brick building. This 90m² apartment, spread over two floors, has been transformed into a perfect home. The use of HI-MACS® as the primary material in the essential kitchen space has helped add to the clarity and brightness.



Photographed by Duo fotografi/Richard Lindor

Private Kitchen

Location: Nässjö, Sweden

Design: LG collection / Karin Claesson, Sweden

Fabrication: LG Collection, Sweden

Material: HI-MACS®, Alpine White

Multi-purpose worktop

Scandinavian furniture has the reputation of being both practical and beautiful. Here too, the advantages of the kitchen work surface are tripled. The worktop drops over the edge at one end to create a towel rail, and extends upwards at the other end to create a shelf. The wall cladding connects the unit to the wall and becomes an integrated splashback.



Residence W

Location: Diksmuide, Belgium

Design: Waeles Ruben, Belgium

Fabrication: Waeles nv, Belgium, waeles.be

HI-MACS® Supplier: Engels Design & Decoration, Belgium

Material: HI-MACS®, Alpine White



A dream in white and walnut

This room is testament to the relaxing effect of minimalist design, achieved using the key material - HI-MACS®. The elegant island is perfectly combined with a breakfast bar made of walnut.

Bathroom

Thanks to its waterproof surface and the extensive range of high-quality washbasins, HI-MACS® is becoming increasingly popular in the bathroom. The warm, pleasing feel of the material, coupled with its ease of care means HI-MACS® is simply perfect.



Photographed by Not Only White

Not Only White

Design: Not Only White, The Netherlands, notonlywhite.com
Material: HI-MACS®, Alpine White

Simple. Perfect.
The essence of the 'Not Only White' products. The simplicity of this wash stand is stunning. But it has everything you need: a large, stable, easy-to-clean sink, which is mounted on the oak panel in such a way as to appear to be almost floating.

Level

Location: The Netherlands
Design: Binnenvorm, The Netherlands, binnenvorm.nl
Fabrication: Baths by Clay, The Netherlands, bathsbyclay.com
HI-MACS® Supplier: Baars & Bloemhoff, The Netherlands
Material: HI-MACS®, Satin White

The refined nature lies in the detail
This double sink unit draws its charm from an optical illusion: the table has two different levels and sink depths, giving it an almost sculptural quality. HI-MACS® is perfect for designs like this, as it can be precisely machined thanks to its Thermal-Cure technology.



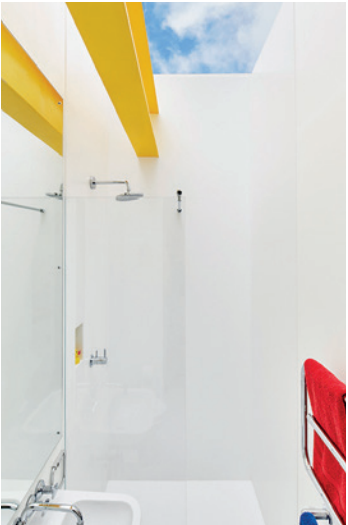
Photographed by Baths by Clay

22 Parkside (Richard Rogers' House)

Location: Wimbledon, London, United Kingdom
Restoration Design: Gumuchdjian Architects, London, United Kingdom, gumuchdjian.com
Fabrication: Solidity, United Kingdom, solidity.co.uk
Material: HI-MACS®, Alpine White



All images on this page: Photographed by Petr Krejčí



The home of a legend
Richard Rogers is one of the greatest architects of our time. The house that Richard + Su Rogers designed for his parents in 1968 was recently restored by Gumuchdjian Architects, who selected HI-MACS® to create two entirely new en-suite shower rooms. The entire wetroom and floor is a seamless white cube, with a full-width skylight overhead creating a joyful day lit space.

Furniture Design

Whether it is used for hexagonal tables with internal lighting, honeycomb-shaped shelving, engraved counters or thermoformed seating, HI-MACS® provides limitless design options and maximum material quality.



Trace

Location: Strasserthun, Thun, Switzerland

Design: Mia Kopenek and Team, kenepek.ch, Switzerland

Fabrication: Strasser AG Thun, Switzerland
strasserthun.ch – Georg Ackermann GmbH, Germany, ackermannmbh.de

HI-MACS® supplier: Klöpfer Surfaces, Germany

Material: HI-MACS®, Alpine White

A winner from the start.

The “Trace” side table from the Swiss brand Strasserthun won the prestigious German Design Award. The unique table legs are made of HI-MACS Structura®: the table and the patterning on the HI-MACS Structura® surface were designed at Kopenek GmbH.

Transitions III

Location: Dutch Design Week, The Netherlands

Design: Mae Engelgeer, The Netherlands

Fabrication: Houtwerk BV, The Netherlands, houtwerk.nl

HI-MACS® supplier: Baars & Bloemhoff, The Netherlands

Material: HI-MACS®, Star Queen, Mars, Ruby, Cream

Sensual material mix

“Transitions III” is the name that the textile designer, Mae Engelgeer gave to her sensuously shaped object collection with some striking elements made of HI-MACS®. Flowing materials, arresting graphics, inspired by the designs of the Memphis period as well as delicate pastel shades define the collection, which blurs the boundaries between art and everyday objects. We find HI-MACS® fits perfectly in this context.



Photographed by Floor Knaapen



Photographed by Erik Bele

Primitive Kitchen Tool

Design: Erik Bele Höglund, Sweden

HI-MACS® Supplier: LG Collection, Sweden

Material: HI-MACS®, Alpine White, Dark Night

Back to Basics

This kitchen innovation by Swedish designer Erik Bele Höglund is a white workstation with different sized divots. In addition there is a black tool that looks like a primeval stone, the sharp edge of which can be used as a knife and the rounded end as a pestle. Both elements in this unusual duo are made from HI-MACS®.

SANTINI – Quiet Point

Location: Salone del Mobile 2017, Milan, Italy

Design: Vladimir Ambroz for A.M.O.S. Design, Czech Republic

Fabrication: A.M.O.S. Design, Czech Republic

Material: HI-MACS®, Alpine White

Cathedral-like retreat

Fixed office spaces are becoming less and less popular, but open office spaces for flexible working require furniture which reflects and aids these new working practices. The Santini Quiet Point from Amos Design offers quiet and comfort. The white base made of HI-MACS® forms the seating surface, which is warm and comfortable.



Outdoor

Materials used outside are exposed to the weather all year round. This means exposure to sun and rain, snow and ice, lots of moisture and different temperatures as well as strong UV rays. HI-MACS® has passed all the required tests in a selection of colours, and has proved that outstanding quality can master the toughest outside conditions.



For people with vision: HI-MACS® outdoors
The white floor panels as well as all benches, sofas and tables on the generous terrace are made of HI-MACS®. The high-quality design in this villa also extends outdoors, where HI-MACS® offers an elegant, weather-proof look.

Penthouse Terrace
Location: Freudenstadt, Germany
Design: Karl Dreer GmbH, Germany, dreer-gmbh.de
Fabrication: Karl Dreer GmbH, Germany, dreer-gmbh.de
HI-MACS® Supplier: Klöpfer Surfaces, Germany
Material: HI-MACS®, Alpine White

Townhouse Terrace
Location: Munich, Germany
Design: Karl Dreer GmbH, Germany, dreer-gmbh.de
Fabrication: Karl Dreer GmbH, Germany, dreer-gmbh.de
HI-MACS® Supplier: Klöpfer Surfaces, Germany
Material: HI-MACS®, Ice Queen, Babylon Beige, Grey

Live, cook and enjoy the outdoors
This airy, outdoor deck is made completely of HI-MACS®; the flooring, cooking area, sofa benches, tables and small furnishings all benefit from the weather-resistant properties of HI-MACS®. The robust, easy-care ensemble looks stunning and radiates a seaside holiday atmosphere.



All images on this page: Photographed by Andreas Metz

Education

When it comes to educational buildings, they are primarily used by young people. HI-MACS®' extreme toughness and ease of maintenance are thus the prerequisites to withstand everyday life in nursery schools, schools, universities and other institutions.

Marine Industry

A new composition of HI-MACS® from the high-tech laboratories of LG has been developed for use in shipbuilding: HI-MACS® FR, with standout properties of fire-resistance and fire-retardance.

Erlebnis Europa

Location: Berlin, Germany
Design: Atelier Brückner, Germany, atelier-brueckner.com
Fabrication: Bone Solid commissioned by Bruns BV, The Netherlands
HI-MACS® supplier: Baars & Bloemhoff, The Netherlands
Material: HI-MACS®, Alpine White, Deep Indigo



If you go to the “Erlebnis Europa” exhibition, you will come across HI-MACS®. The permanent exhibition “Erlebnis Europa” [Experience Europe] in the European House in Berlin challenges and promotes interaction with the visitor: digital information tables sit at the heart of this installation. All surfaces are easy-care, robust and made of HI-MACS®.



MS Amadea

Location: Hamburg, Germany
Design: Phoenix Reisen GmbH, Germany, phoenixreisen.com
Fabrication: 2 Pier GmbH – Holztec Innenausbau GmbH, Germany, 2pier.de – tb-berndt.de
HI-MACS® supplier: Klöpfer Surfaces, Germany
Material: HI-MACS®, Alpine White, Arctic Granite

At home on the high seas
HI-MACS® brings class and spaciousness to the bathroom design of the ship's cabins on the MS Amadea. The choice of a material makes a very clear statement about how one views quality.



Airport

Desks, counters and shelving at airports are exposed to extremely heavy and constant use, being touched by travellers and staff alike. It is especially here that the perfect finish of HI-MACS® comes into its own – even easier to clean and more robust, thanks to its innovative Thermalcure-technology.

International Airport of Naples – Capodichino

Location: Naples, Italy
Designer: Antonio De Martino – Gnosis Architettura, Italy, gnosis.it
Fabrication: Ares srl, Italy, aresarredamenti.it – Legno Cad srl, Italy, legnocad.com
HI-MACS® Supplier: Luigi Strumolo Spa, Italy, strumolo.com
Material: HI-MACS®, Alpine White



Naples Airport embraces HI-MACS®
The bars in all departure halls and the check-in desks are all framed with large radii: robust, easy-care and with a high-quality look. This includes the benches where passengers can while away the time in comfort.

We have a strong partner network for your most creative ideas.

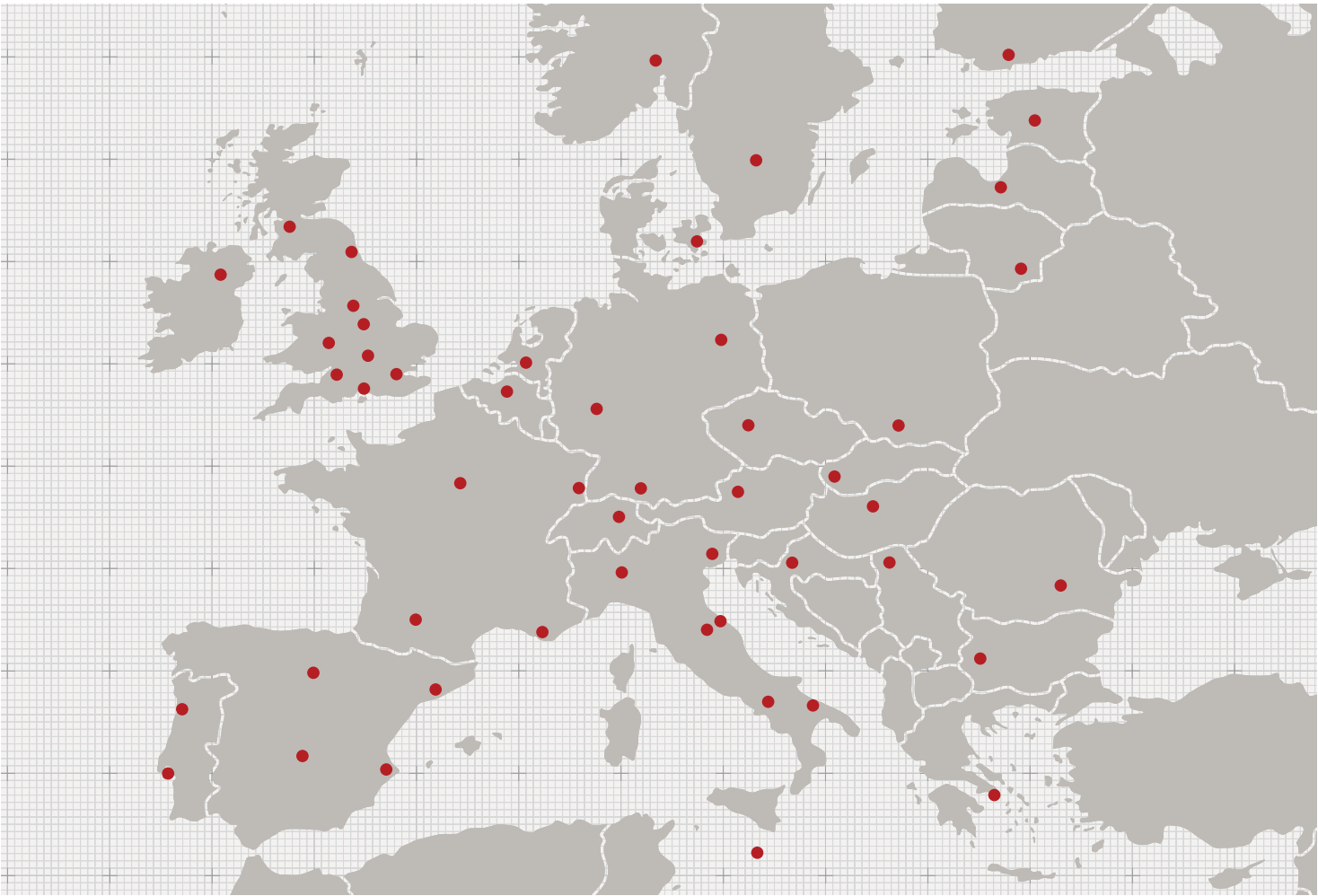
Architects and designers have awe-inspiring ideas. And exceptional craftsmen transform them into reality using HI-MACS®.

Contact us to find our network of exclusive distributors serving more than 5.000 fabricators across Europe and our numerous Quality Club Training Centers. This is our strategy to guarantee the best quality at all levels.

We can also offer you the security of our global LG After-sales Service with our experienced HI-MACS® experts all around the world.

All contact details of our network can be found at

himacs.eu
Because Quality Wins.



All images on this page Photographed by Roberto Mango – Special Thanks to Ge.S.A.C. SpA for the images

Best of the Last Decade

In recent years HI-MACS® has been specified more and more by architects and designers – only the best quality can convince demanding clientele like these. Thanks to their ability and talent and to the superior quality of material and fabrication some masterpieces have been achieved with HI-MACS®. Although not recent, they still inspire users and owners. A selection can be found here.

Atlas Swimming Pool

Location: Paris, France
Design: Yoonseux Architectes, France, yoonseux.com
Fabrication: ASKA Interior, France, aska-interior.com
Material: HI-MACS® Arctic White



Photographed by Alexandra Mocanu

Water and HI-MACS® do mix

This indoor swimming pool in a Parisian school was designed mainly with HI-MACS®: parts of the exterior walls, the geometrical relief on the interior walls, the non-slip floor in the shower area and many individual items of furniture were all created in HI-MACS® Arctic White. Its perfect hygiene and ultra-flexible form are important properties of the material, which also gives the space a unique atmosphere.

Händel House

Location: Halle, Germany
Design: Gerhards & Glücker, Germany, gerhardsgluecker.com
Fabrication: Möbel Damm, moebel-damm.de
Material: HI-MACS®, Arctic White

Baroque forms to honour a baroque musician

This building to honour the great musician Georg Friedrich Händel transitions from an understated exhibition and reception area to an opulent Baroque hall. HI-MACS® links and enables both: the ornamental splendour as well as the subtle play of lights.



Photographed by Werner Huthmacher

Hotel Puerta America

Location: Madrid, Spain
Design: from left to right: Christian Liaigre, France – Ron Arad, UK – Zaha Hadid Architects, UK – christian-liaigre.fr, ronarad.co.uk, zaha-hadid.com
Material: HI-MACS®, Alpine White, Black, Fiery Red

19 well-known architects and designers designed this hotel – naturally using HI-MACS®

The result of their work is simply breathtaking, with every room being a veritable stand-alone masterpiece. HI-MACS® was with them every step of the way – inspiring the designers to create their most daring designs.



All images: Photographed by Jan Bitter

Raiffeisen Bank Zürich

Location: Zürich, Switzerland
Design: NAU Architecture, Switzerland, Drexler Guinand Jauslin Architekten, Switzerland, nau.coop, dgj.ch
Fabrication: Wallcovering patterns design: ROK, Rippmann Oesterle Knauss, Switzerland, rok-office.com – Wallcovering and joinery: Glaeser Baden, Switzerland, glaeser.ch
Material: HI-MACS®, Alpine White

HI-MACS® helps create a personal vision

The Raiffeisen Bank in Zurich displays the portraits of former prominent residents that stand out thanks to the intricate cutting of triangles of different sizes and the spartan overall interior architectural design.



Showroom ALV

Location: Milan, Italy
Fabrication: Flusso, Facchinetti Group
Material: HI-MACS®, Ivory White

Handbags and gladrags

The central and pivotal element in this showroom is a circular filigree skeleton made of HI-MACS® that showcases the fashionable accessories.



Photographed by Valter Baldan Fotografo

All images: Photographed by diephotodesigner.de

Dimensions – Sheet material

Standard Format

SHEET THICK- NESS IN MM	SHEET WIDTH IN MM	SHEET LENGTH IN MM
3	930	3000 *
4	1350	3000 *
6	760	2490
6	910	2490 *
6	1350	3680*
9	760	3680
9	910	3680 *
9	1350	3680 *
12	760	3680
12	910	3680 *
12	1350	3680 *
12	1520	3680 *
19	760	3680 *

Special Format

SHEET THICK- NESS IN MM	SHEET WIDTH IN MM	SHEET LENGTH IN MM
6	910	2490 **
9	910	3680 **
12	910	3680 **
19	760	3680 ***

* Only available in S028 Alpine White.
** Only available in S006 Arctic White.
*** Only available in Solid colours.

Special format available on special request,
minimum quantities apply.

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 all thicknesses. 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 are especially suitable for use in public buildings, external facades and in the marine industry.

Technical data sheet

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

SPECIFICATION	UNIT	RESULT SOLIDS	RESULT GRANITE	TEST METHODS
Flexural-E-modulus	MPa	8900	7730	DIN EN ISO 178
Flexural strength	MPa	70.1	64.3	ASTM D638
Breaking elongation	%	1	1.1	DIN EN ISO 178
Tensile strength	MPa	69.5	56.3	DIN EN ISO 527
Density	g/cm3 kg/m3	1.75 1750	1.65 1650	ISO 1183 ISO 1183
Ball indentation hardness	N/mm2	257	239	DIN EN ISO 2039-1
Mohs hardness		2 to 3	2 to 3	EN 101
Pencil hardness		>9H	>9H	ISO 15184
Water absorption weight strength/thickness		<0,1% <0,1%	<0,1% <0,1%	DIN EN 438 Part 12
Impact resistance impactor drop ball test (fall height)	N mm	≥25 ≥1500	≥25 ≥1500	E DIN EN 438, 02/02 Part 2/20 E DIN EN 438, 02/02 Part 2/21
Slip resistance		>0,32 – 0,9		GMG100 (replaces R9)
Slip resistance		angle of acceptance of more than 10° to 19° = R10		DIN 51130
Climate change resistance	°C	≥0,05	≥0,05	AMK
Dry heat (pan base)	°C	≥100 (7C)		DIN 68 861, Part 7, 04-'85
Damp heat (pan base)	°C	≥100 (7C)		DIN 68 861, Part 8, 04-'85
Temperature change resistance	°C	no change		UNI 9429
Resistance to cigarette burns		6C	6B	DIN 68 861, Part 6, 11-'82
Scratch resistance		4D	4B	DIN 68 861, Part 4, 11-'81
Electrostatics Conductivity	>1x1012Ω	insulating non-conductive		DIN IEC 1340-4-1, 04-'92 EN 61340-5-1
Thermal conductivity	W/mK	0.636	0.55	DIN EN 12664
Thermal resistance	m2K/W	0.038	0.045	DIN EN 12664
Thermal expansion co-efficient	mm/mK m/m/°C	0.048 30.0 x 10-6	0.055	DIN EN 14581
Water vapor transmission properties – diffusion resistance factor	μ	18607	16150	DIN EN ISO 12572
Dimensional change by change in relative humidity length thickness mass	% % %	-0.03 0.06 0.05	-0.02 0.03 0.05	DIN EN 318, edit. 5, 1998
Resistance to boiling water increase in weight increase in thickness	% %	<0,1 <0,1	>0,1 <0,1	E DIN EN 438, 02/02 Part 2/12
Light fastness (Xenon)	scale 0 – 10	better than 6	better than 6	DIN 53 387, 04-'89
Food tolerance		suitable for all colours		LMBG § 31
Hygiene		suitable	suitable	LGA Hygiene Certificate
Fire protection classification Flame-retardant properties MPA/NRW HI-MACS® MPA/NRW (BAM) 12 mm (BAM) 9 mm + back-up (Bodycote/Warrington) 12 mm		B1 non-dripping material B1 for all colours* B1 for all colours* B-s1 , d0 for all HI-MACS® colours* complies with BS 476 class 0		DIN 4102-1 DIN 5510 DIN 4102-1 BS EN ISO 11925-2 : 2002 BS EN 13823: 2002

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

* not currently applicable to Marmo, Galaxy, Volcanics, Lucent and Eden

The best quality because our environment is worth it.

Countless internationally recognised 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 process: 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.

Formaldehyde free: Comprehensive examinations have been carried out by LG Hausys own laboratories as well as studies at reputable independent institutes. These studies have proven that following the curing process HI-MACS® material and adhesives are free from formaldehyde.



The Eden collection.
Eco-friendly through and through.

The Eden colour collection by LG Hausys is an 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 recognised 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®.

Colours

Colours are key in design. Elegant Nordic White, warm Toffee Brown or mystical Cima. We have virtually any colour you could wish for.

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 at himacs.eu

BIM OBJECTS

available at himacs.eu

Concrete Collection

Warm-tones concrete-like finishes are now available in the solid surface material, providing completely new opportunities for architects and designers.

NEW					
	Urban Concrete G554 [12 mm]	Steel Concrete G555 [12 mm]	Chic Concrete M551 [12 mm]	Shadow Concrete M552 [12 mm]	Ebony Concrete M553 [12 mm]

Marmo

Captivating random veined texture, reminiscent of marble.

NEW						
	Breeze White M306 [12 mm]	Bellizzi M427 [12 mm]	Cremona M422 [12 mm]	Laviano M426 [12 mm]	Edessa M501 [12 mm]	Ispani M428 [12 mm]
	Terni M201 [12 mm]	Naples M904 [12 mm]	Capri M303 [12 mm]	Monza M206 [12 mm]		

Lucia

Natural trendy colours characterised by linear-edged, midsize particles: three of those designed by Dutch Star Designer, Marcel Wanders.

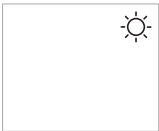
		Three colours designed by Marcel Wanders:				
Lentil W007 [12 mm]	Red Quinoa W010 [12 mm]		Ice Queen W001 [12 mm]	Shadow Queen W003 [12 mm]	Star Queen W004 [12 mm]	marcel wanders®

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]	Santa Ana VA01 [12 mm]	Frosty VA22 [12 mm]	Maui VG21 [12 mm]	Cima VB02 [12 mm]

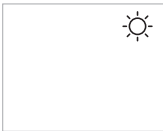
HI-MACS® Ultra-Thermoforming



Alpine White
S928
[12 mm]

The new HI-MACS® Ultra-Thermoforming formula in the iconic Alpine White colour is offered in 12 mm panel thickness, in 760 x 3680 mm size.

HI-MACS® FR – Minimal flammability



Alpine White
S728 – Δ E5
[12 mm]

The individual material FR quality resulted in fire protection classification "B-s1-d0" according to EN 13501 (Single Burning Item test (SBI test))*.

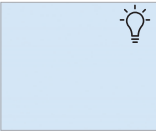
Fixed in place with KEIL anchors and a BWM construction, the HI-MACS® façade in S728 – Alpine White successfully passed the ETA tests (European Technical Agreement).

Lucent

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



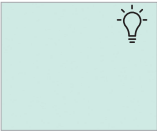
Opal
S302 [12/6 mm]
Δ E5



Sapphire
S303 [12 mm]



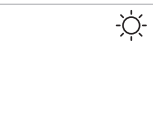
Ruby
S304 [12 mm]



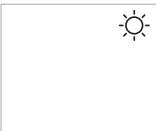
Emerald
S305 [12 mm]

Solids

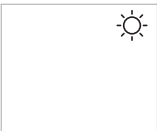
From elegant to extravagant, classic to ultra-contemporary.



Alpine White
S028 [19/12/9/6/4/3 mm] Δ E5



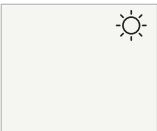
Nordic White
S033 [19/12 mm] Δ E5



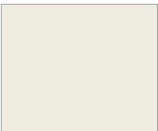
Diamond White
S034 [19/12 mm] Δ E5



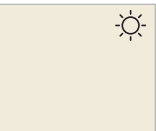
Arctic White
S006 [19/12/9/6 mm]



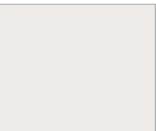
Ivory White
S029 [19/12/9/6 mm] Δ E5



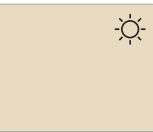
Satin White
S001 [19/12/9/6 mm]



Cream
S009 [19/12/6 mm] Δ E5



Nougat Cream
S201 [19/12 mm]



Almond
S002 [19/12 mm] Δ E5



Babylon Beige
S102 [19/12 mm]



Steel Grey
S109 [19/12 mm]



Marta Grey
S108 [19/12 mm]



Concrete Grey
S103 [19/12 mm]



Toffee Brown
S104 [19/12 mm]



Grey
S005 [19/12/9/6 mm]



Sky Blue
S203 [19/12 mm]



Light Green
S212 [19/12 mm]



Lemon Squash
S106 [19/12 mm]



Banana
S026 [19/12 mm]



Orange
S027 [19/12 mm]



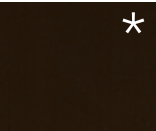
Fiery Red
S025 [19/12 mm]



Festival Pink
S116 [19/12 mm]



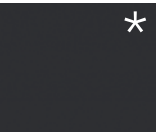
Midnight Grey
S117 [19/12 mm]



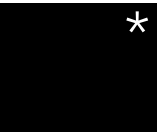
Coffee Brown
S100 [19/12 mm]



Deep Indigo
S115 [19/12 mm]



Dark Night
S111 [19/12 mm]



Black
S022 [19/12/9 mm]



Suede
S121 [19/12 mm]



Mink
S118 [19/12 mm]



Evergreen
S119 [19/12 mm]



Cosmic Blue
S120 [19/12 mm]

19 mm: S028 Alpine White available in stock. All other solid colours on special request.

★ 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. There may be deviations between the illustrated and actual colours owing to printing techniques. To receive the detailed colour range, please contact us at himacs.eu.

✧ 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.

≈ Marmo is a randomly veined product, specific fabrication guidelines need to be followed. Ask your sales partner for more information or visit himacs.eu.

✧ Lucent colours have a higher level of translucency, more evident when combined with light sources.

Aster (Galaxy)

With transparent grains and mother of pearl shimmer.



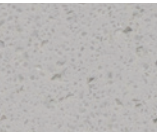
Nebula
T010 [12 mm]



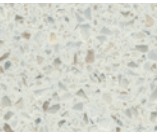
Andromeda
T017 [12 mm]



Carina
T018 [12 mm]



New Moon
T019 [12 mm]



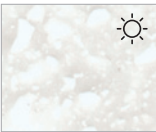
Venus
T011 [12 mm]



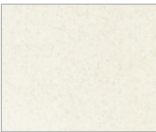
Hercules
T020 [12 mm]

Granite, Sparkle, Quartz, Sand & Pearl

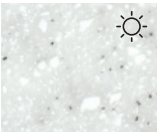
A huge selection of textures and colours. Natural, elegant and perfect in combination.



Arctic Granite
G034 [12/9/6 mm], Δ E5



Lunar Sand
G108 [12 mm]



White Quartz
G004 [12/9/6 mm], Δ E5



Tapioca Pearl
G050 [12 mm]



Crystal Beige
G101 [12 mm]



Pebble Pearl
G107 [12 mm]



Sea Oat Quartz
G038 [12 mm] Δ E5



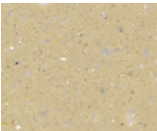
Riviera Sand
G106 [12/6 mm]



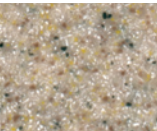
Beach Sand
G048 [12/9 mm] Δ E5



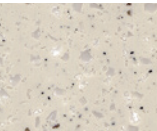
Moonscape Quartz
G058 [12/9 mm]



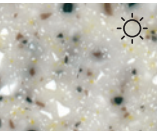
Peanut Butter
G100 [12/9 mm]



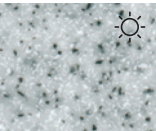
Desert Sand
G001 [12 mm]



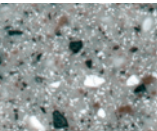
Grey Crystal
G102 [12 mm]



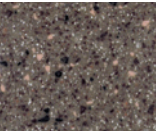
White Granite
G005 [12 mm] Δ E5



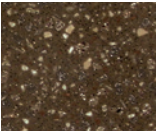
Grey Sand
G002 [12/6 mm] Δ E5



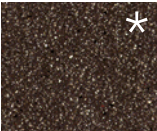
Platinum Granite
G007 [12 mm]



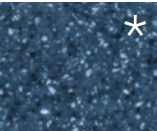
Allspice Quartz
G063 [12 mm]



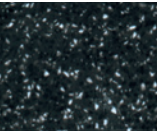
Mocha Granite
G074 [12/9 mm]



Brown Pearl
G105 [12 mm]



Midnight Pearl
G015 [12/9 mm]



Black Sand
G009 [12 mm]



Black Pearl
G010 [12 mm]



Black Granite
G031 [12/9/6 mm]

Sparkle colours
designed by
Karim Rashid:

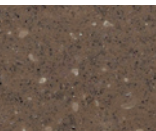


Kold Silver
P102 [12 mm]

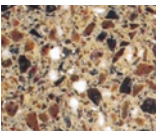


Eden

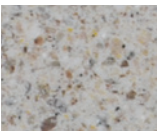
A one-of-a-kind palette with warm natural shades and various grain sizes. What makes the collection unique: it consists of up to 35% recycled materials.



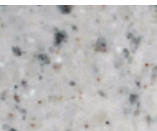
Cocoa
G501R [12 mm]
12% Recycled Content



Sugar Maple
G510R [12 mm]
35% Recycled Content



Poplar
G511R [12 mm]
35% Recycled Content



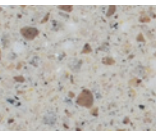
Birch Bark
G514R [12 mm]
35% Recycled Content



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.

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 according to 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)

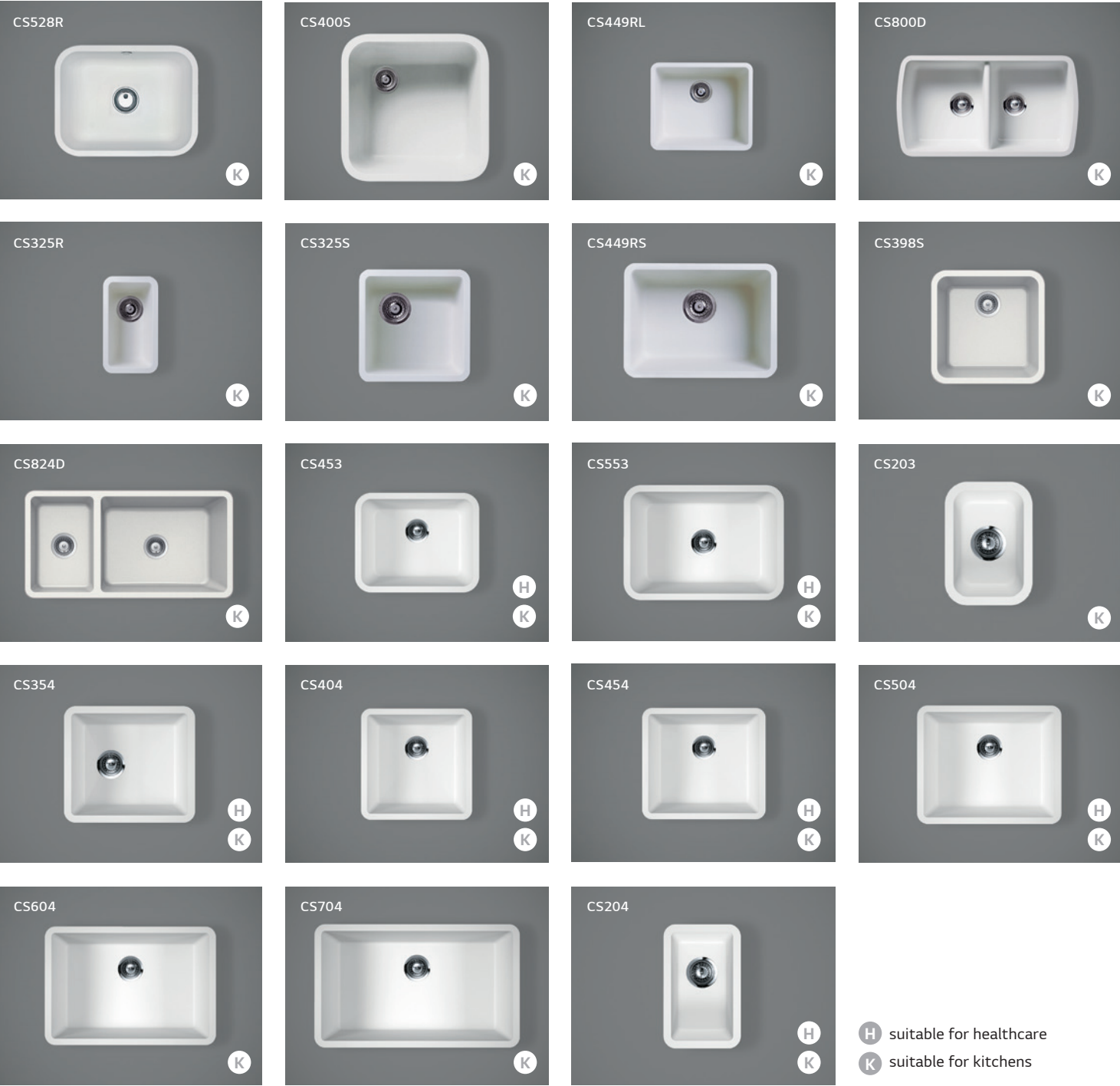
LEED MR 4.2: materials with more than 20% recycled content (2 credits)

Sinks and Basins

Creative designers have every option at their disposal to create washing facilities in bathrooms, kitchens, hospitals and much more with the extensive range of HI-MACS® sinks and basins.

HI-MACS® Sinks for kitchen and healthcare applications

Spaciousness, durability and hygiene are all key quality features when choosing a sink for the kitchen or healthcare facility. The top quality models in the HI-MACS® range offer it all. These coordinated sinks are installed as undermounted creating extremely hygienic sink areas. Special custom-made creations are also an option.



H suitable for healthcare
K suitable for kitchens

HI-MACS® Basins for bathrooms – Top mount installation

These three shapes are HI-MACS® answer to the trend for linear designs. All three bowls were exclusively designed as top-mounted bowls. The narrow radius of the two rectangular models creates exceptionally spacious bowls.



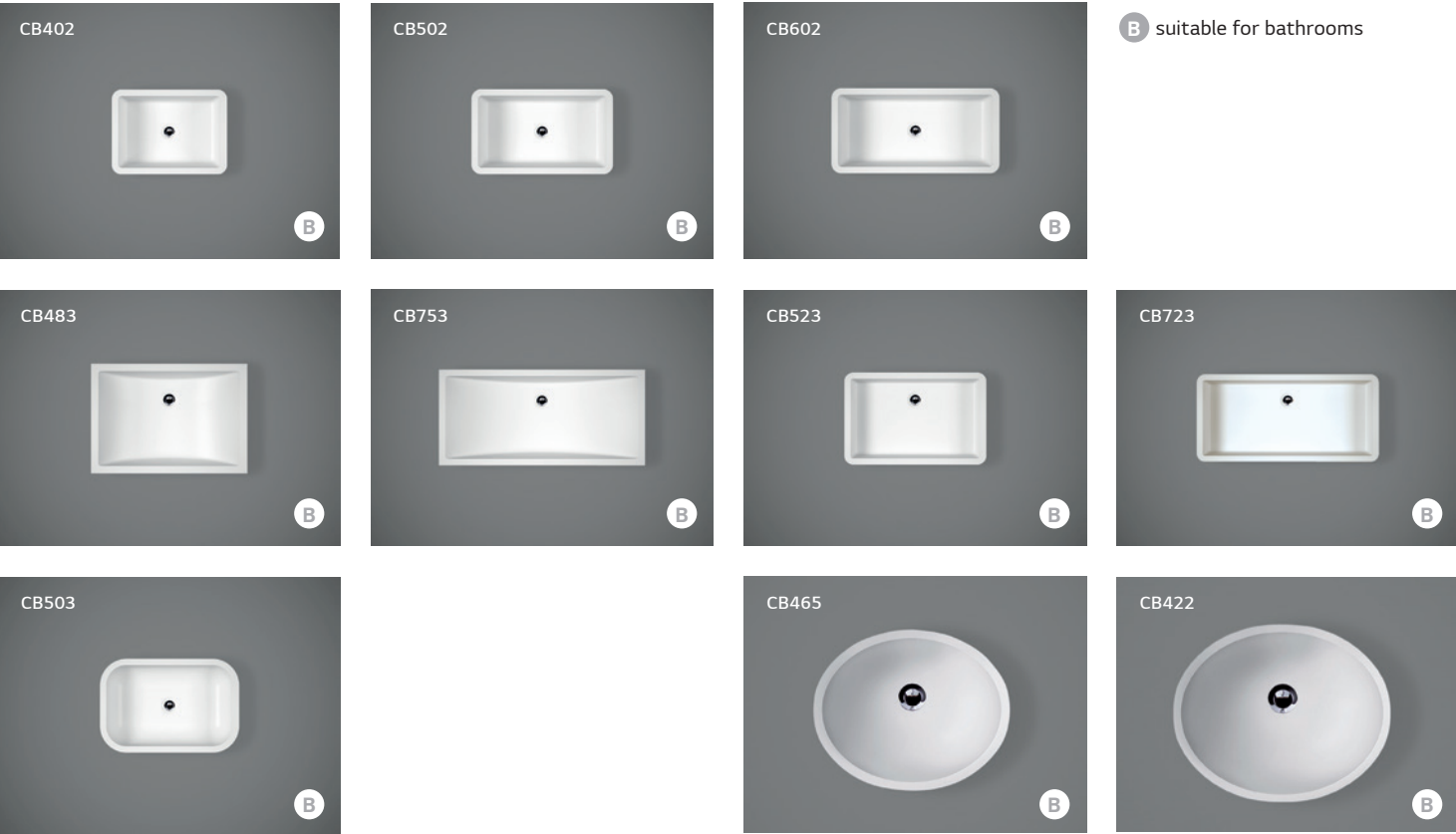
HI-MACS® Baby Bath

The neo-natal ward of a hospital is one place where maximum hygiene, ergonomics and warmth are essential. The ergonomic shape of the bowl is specifically designed for babies.



HI-MACS® Basins for bathrooms

Pleasantly warm to the touch – simple to look after: HI-MACS® washbasins are produced in a casting process and can be perfectly fitted flush or supported in washstands made of HI-MACS®.



B suitable for bathrooms



Alpine White
S028

HI-MACS® sinks, washbasins and Baby Bath are exclusively available in Alpine White S028. **Warranty:** 15 years on all precast HI-MACS® bowls, sinks and the baby bath.

Please feel free to contact us for further information.

HI-MACS®. Because Quality Wins.

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Germany
info@himacs.eu

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

himacs.eu



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Technical data sheet

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

SPECIFICATION	UNIT	RESULT SOLIDS	RESULT GRANITE	TEST METHODS
Flexural-E-modulus	MPa	8900	7730	DIN EN ISO 178
Flexural strength	MPa	70.1	64.3	ASTM D638
Breaking elongation	%	1	1.1	DIN EN ISO 178
Tensile strength	MPa	69.5	56.3	DIN EN ISO 527
Density	g/cm ³ kg/m ³	1.75 1750	1.65 1650	ISO 1183 ISO 1183
Ball indentation hardness	N/mm ²	257	239	DIN EN ISO 2039-1
Mohs hardness		2 to 3	2 to 3	EN 101
Pencil hardness		>9H	>9H	ISO 15184
Water absorption weight strength/thickness		<0,1% <0,1%	<0,1% <0,1%	DIN EN 438 Part 12
Impact resistance impactor drop ball test (fall height)	N mm	≥25 ≥1500	≥25 ≥1500	E DIN EN 438, 02/02 Part 2/20 E DIN EN 438, 02/02 Part 2/21
Slip resistance		>0,32 – 0,9		GMG100 (replaces R9)
Slip resistance		angle of acceptance of more than 10° to 19° = R10		DIN 51130
Climate change resistance	°C	≥0,05	≥0,05	AMK
Dry heat (pan base)	°C	≥100 (7C)		DIN 68 861, Part 7, 04-'85
Damp heat (pan base)	°C	≥100 (7C)		DIN 68 861, Part 8, 04-'85
Temperature change resistance	°C	no change		UNI 9429
Resistance to cigarette burns		6C	6B	DIN 68 861, Part 6, 11-'82
Scratch resistance		4D	4B	DIN 68 861, Part 4, 11-'81
Electrostatics Conductivity	>1x10 ¹² Ω	insulating non-conductive		DIN IEC 1340-4-1, 04-'92 EN 61340-5-1
Thermal conductivity	W/mK	0.636	0.55	DIN EN 12664
Thermal resistance	m ² K/W	0.038	0.045	DIN EN 12664
Thermal expansion co-efficient	mm/mK m/m/°C	0.048 30.0 x 10 ⁻⁶	0.055	DIN EN 14581
Water vapor transmission properties – diffusion resistance factor	μ	18607	16150	DIN EN ISO 12572
Dimensional change by change in relative humidity length thickness mass	% % %	-0.03 0.06 0.05	-0.02 0.03 0.05	DIN EN 318, edit. 5, 1998
Resistance to boiling water increase in weight increase in thickness	% %	<0,1 <0,1	>0,1 <0,1	E DIN EN 438, 02/02 Part 2/12
Light fastness (Xenon)	scale 0 – 10	better than 6	better than 6	DIN 53 387, 04-'89
Food tolerance		suitable for all colours		LMBG § 31
Hygiene		suitable	suitable	LGA Hygiene Certificate
Fire protection classification Flame-retardant properties MPA/NRW HI-MACS® MPA/NRW (BAM) 12 mm (BAM) 9 mm + back-up (Bodycote/Warrington) 12 mm		B1 non-dripping material B1 for all colours* B1 for all colours* B-s1 , d0 for all HI-MACS® colours* complies with BS 476 class 0		DIN 4102-1 DIN 5510 DIN 4102-1 BS EN ISO 11925-2 : 2002 BS EN 13823: 2002

* not currently applicable to Marmo, Galaxy, Volcanics, Lucent and Eden

Dimensions – Sheet material

Standard Format

SHEET THICK- NESS IN MM	SHEET WIDTH IN MM	SHEET LENGTH IN MM
3	930	3000 *
4	1350	3000 *
6	760	2490
6	910	2490 *
6	1350	3680*
9	760	3680
9	910	3680 *
9	1350	3680 *
12	760	3680
12	910	3680 *
12	1350	3680 *
12	1520	3680 *
19	760	3680 *

Special Format

SHEET THICK- NESS IN MM	SHEET WIDTH IN MM	SHEET LENGTH IN MM
6	910	2490 **
9	910	3680 **
12	910	3680 **
19	760	3680 ***

- * Only available in S028 Alpine White.
- ** Only available in S006 Arctic White.
- *** Only available in Solid colours.

Special format available on special request,
minimum quantities apply.

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 all thicknesses. 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 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
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 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