🕞 LG Hausys

The New Generation.

Reference Book 2016

NG





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The ultimate in art is to serve as an inspiration to others.

Anyone who runs their hands along the contours of a virtually seamless installation made from HI-MACS[®] will want to use this material to convert their very best ideas into reality. The gentle curves, the soft feel and the deep, elegant aesthetic appeal that the material exudes, awake the imagination and the enthusiasm to embark on new plans and ideas. We have gathered a number of selected projects here, all of which are capable of inspiring and creating a desire to tread new paths. With HI-MACS[®], the material of the new generation. Inspired by architecture.

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 countless advantages over conventional materials.

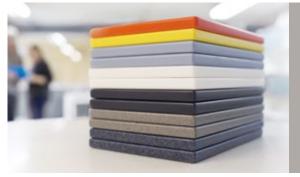


HI-MACS® allows for visually seamless manipulation. Smooth integration enables large areas without visible joints or edges as well as flush mounting of sinks or bowls. Not only do objects made from this solid surface material appear to be works of art cast from a single mould, the material's seamless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

Seamless perfection

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.



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

Unlimited colour spectrum

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



Threedimensional design

HI-MACS® boasts a simple heating process and three dimensional thermoforming 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 ideas and designs – not the other way around. Exactly how it should be.



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.



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.

Facades and Wall Cladding

Looks good inside and outside! HI-MACS® durability makes it ideal when used both for impressive cladding projects, facades and wall linings.

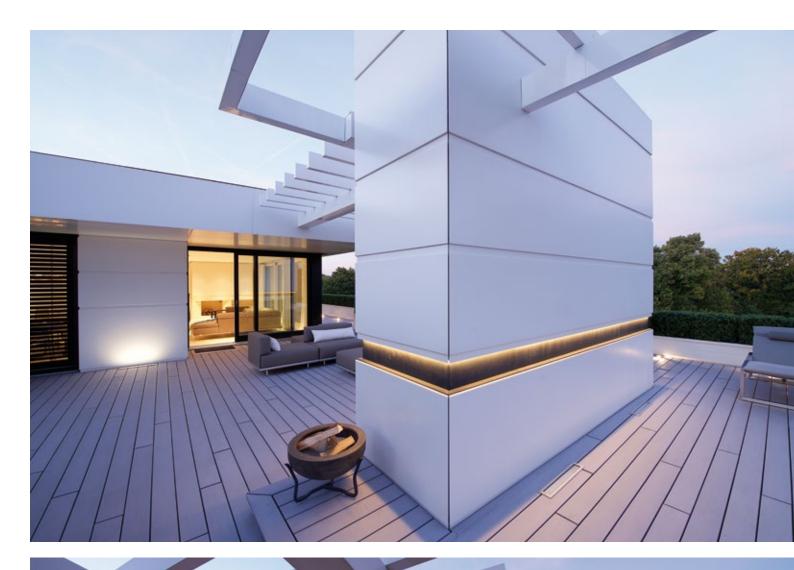


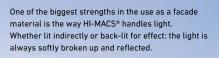
Penthouse Hamburg Harvestehude

Location: Hamburg, Germany Design: Jan Gerdt, Germany, gerdt-picas.de Fabrication: Kiebitzberg GmbH & Co., Germany, kiebitzberg.de – Klöpfer Surfaces, Germany, kloepfer-surfaces.de Material: HI-MACS®, Ivory White

White stays white.

If you decide to choose white as a facade colour, then you want the colour to retain its whiteness even 10 years down the line. Thanks to its smooth surface, HI-MACS® provides less places for dirt to collect compared to other facade materials which can sometimes go grey very quickly. Moreover, the surface is easy to clean and maintain.





Facades and Wall Cladding | 7

Public Buildings and Offices

The requirements for public spaces are very demanding. In fact these areas are everyone's environment. It's therefore good to know that HI-MACS® regularly undergoes all of the relevant product tests and holds all the required certificates.

The existing concrete structure has been combined with new, airy architecture: effective inlays and touch screens embedded in the HI-MACS[®] surface give the whole entrance hall a futuristic feel.



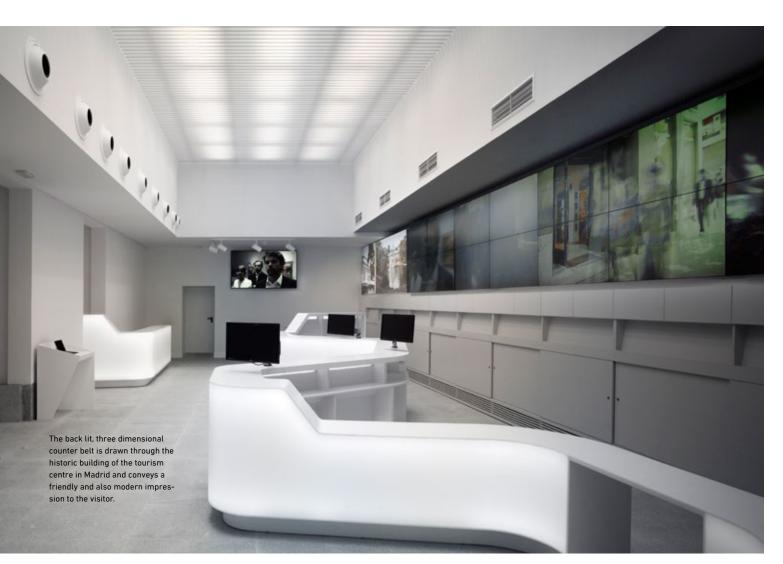
City Hall of Almere

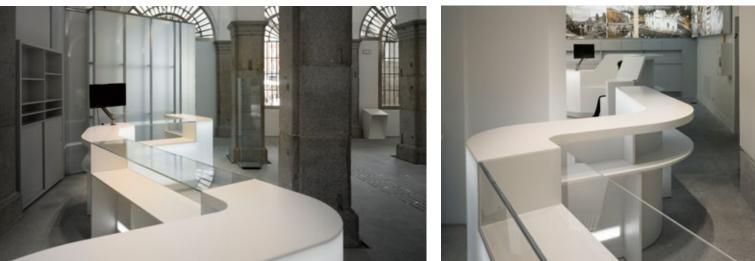
Location: Almere, Netherlands Design: Fokkema & Partners Architecten, Netherlands, fokkema-partners.nl Fabrication: Van Der Plas Meubel & Project BV, Netherlands, vanderplas.biz – Baars & Bloemhoff, Netherlands, baars-bloemhoff.nl Material: HI-MACS®, Arctic White

The correct material can change the first impression of an entire city. In public buildings the planners need to ensure that the materials used provide maximum efficiency and durability. These were the key reasons that the city planners selected HI-MACS® Natural Acrylic Stone.







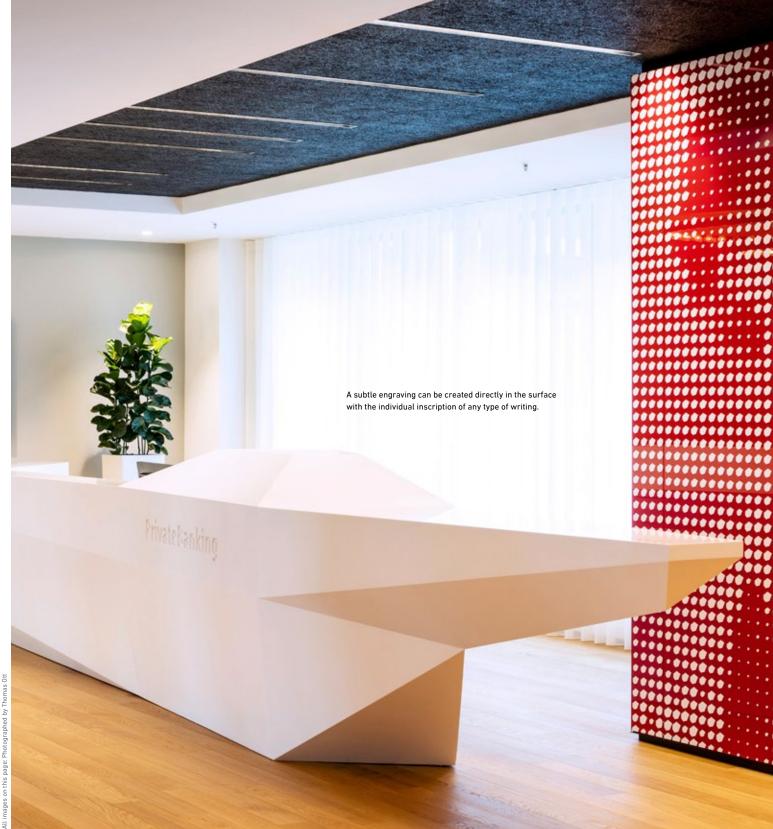


Plaza Mayor, Madrid Tourist Information Centre

Location: Madrid, Spain Design: Irene Brea, Leticia Llansó, Jaime Sanz – Jose Manuel Sanz Arquitectos, josemanuelsanz.com Fabrication: Maderama, Spain, mmaderama.com Material: HI-MACS®, Alpine White, Opal

Two key characteristics of $\textsc{HI-MACS}\xspace^{\$}$ score points here.

If you consider furniture which should be shaped three dimensionally and totally backlit, you can hardly overlook HI-MACS[®]. The counters offer visitors and consultants on the front and back side equal functional equipment: in the form of writing desks and shelvings.



Bank Counter

Location: Groß-Gerau, Germany **Design:** Bredt und Partner, Germany, bredtundpartner.com Fabrication: Schumann Möbelwerkstätte GmbH/Pfeiffer GmbH & Co. KG, schumann-moebel.de/pfeiffer-germany.de -Klöpfer Surfaces, Germany, kloepfer-surfaces.de Material: HI-MACS®, Alpine White

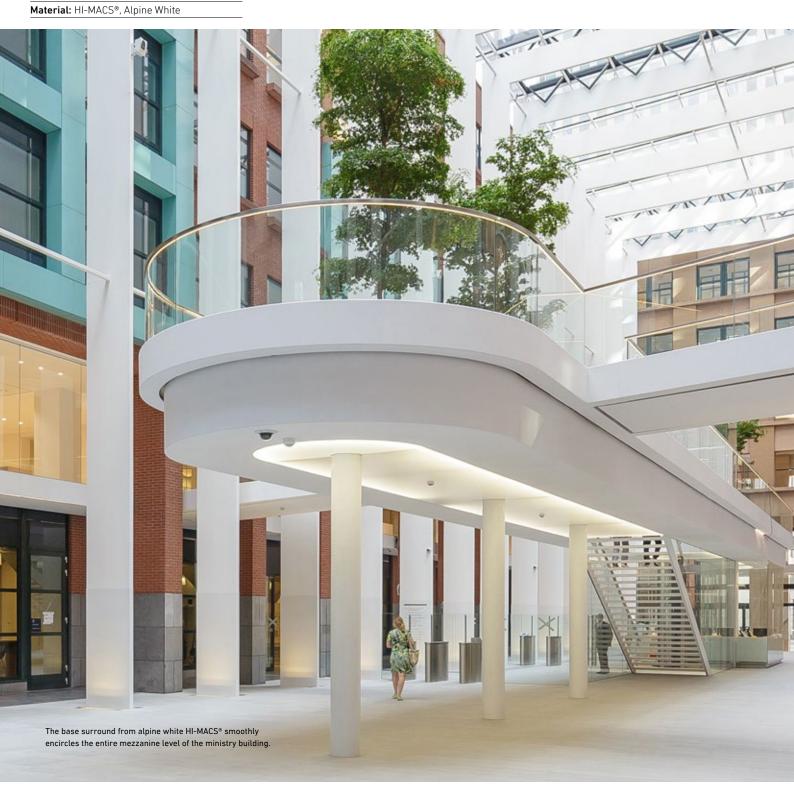
When demand meets the answer

The modern, linear shape can be perfectly realised with HI-MACS®: the surface of the object furniture is elegant and also aesthetically pleasant and invites the visitor to touch.

Dutch Health Ministry

Location: The Hague, Netherlands Design: architectenbureau cepezed by Delft, Netherlands, cepezed.nl

Fabricator: Van Der Plas Meubel & Project BV, Netherlands, vanderplas.biz – Baars & Bloemhoff, Netherlands, baars-bloemhoff.nl







How a simple base surround becomes a stylish lighting object The three, slim columns support the mezzanine level, the undersides of which appear to float thanks to the skilful lighting. Such an effect can be realised perfectly with Solid Surface Material HI-MACS®.



Inox Fondi Headquarters

Location: Rovigo, Italy Design: Ilaria Mosso, Italy, ilariamosso.com Fabrication: Simone Piva, Italy, simonepiva.com Material: HI-MACS®, Alpine White



Follow the strip light in the floor! There are not many stairs which also give directions. This unusual spiral staircase in the headquarters of an Italian stainless steel manufacturer has a flush integrated lighting strip which guides the visitor the way up.

Osram Headquarters

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OSRAM

Location: Munich, Germany Design: Brune Architekten, Germany, brune-architekten.de Fabrication: Hommel Manufaktur GmbH Materiat: HI-MACS®, Opal



Hospitality and Gastronomy

HI-MACS[®] creates visual, statement features in the trendiest of bars, the most upmarket of restaurants and the most happening clubs. Almost every ambience a designer might wish to create can be achieved with the diverse properties of the material.





Broeinest Bar

Location: Eindhoven, Netherlands Design: Atelier to the Bone, Netherlands, attb.nl

Fabrication: Van Der Plas Meubel & Project BV, Netherlands, vanderplas.biz – Baars & Bloemhoff, Netherlands, baars-bloemhoff.nl

Material: HI-MACS®, Arctic White



As if it were a different material

The designers have shaped the white counter surround in such a way that you might think it is an elastic or fluid material. The exciting, individual shape can be created with HI-MACS® thanks to the modern vacuum pressing technique.

Hotel Neptune

Location: Rostock-Warnemünde, Germany

Design: JOI-Design GmbHFabrication: Graichen Bau- und Möbelwerkstätten GmbH,
Germany, graichen-gmbh.eu – Klöpfer Surfaces, Germany,
kloepfer-surfaces.de

Material: HI-MACS®, Bologna





The ideal SPA furniture

8)

In the SPA of a luxury hotel what counts is the exciting mixture of fine optics, total hygiene and pleasant atmosphere: the installation in the Hotel Neptune combines all requirements perfectly, from heated sitting spaces to smoothly integrated wash basins.



Augeo Art Space

Location: Rimini, Italy Designer: Yasmine Mahmoudieh, Studio Mahmoudieh, mahmoudieh.com

Fabrication: Dform Srl, Italy, dform.it

Material: HI-MACS®, Alpine White, Toffee Brown



Art meets well-being

You could not describe the demand of HI-MACS® more perfectly than with this new room concept: the visitor is received in the gallery area by an elegantly curved monolith made from HI-MACS®, they are then led on to discover further art objects in the high class SPA area. "HI-MACS® is one of my favourite materials due to its flexibility and superior quality," remarks Mahmoudieh, who conceived the sculpture to complete the space without detracting from the art surrounding it.



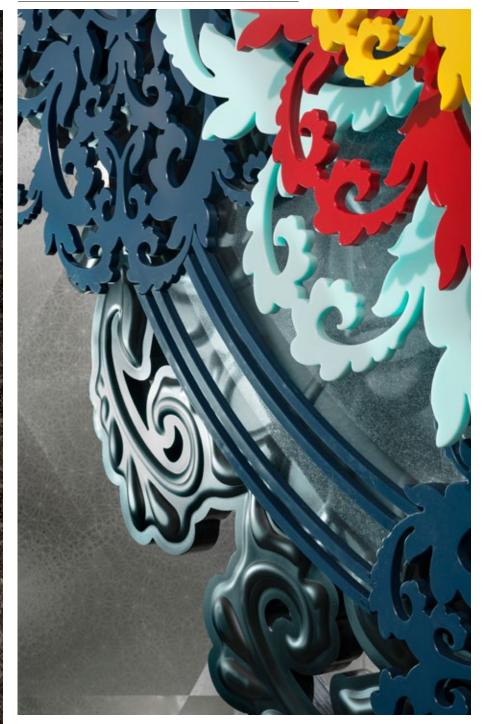
Shops and Exhibitions

Selling has to be learnt and generally starts with the presentation of the goods for sale. HI-MACS® expertly puts the products in the spotlight and guides the customer's gaze in the right direction. Corporate logos can be simply and easily applied to or cut into the material.



Superdesign Show -Temporary Museum for New Design Location: Milan, Italy

Design: Marcel Wanders, Netherlands, marcelwanders.com Material: HI-MACS®, Alpine White, Lemon Squash, Fiery Red



Design creates emotion

The Dutch star designer and architect Marcel Wanders puts his floral design firmly in centre stage using light, shadow and HI-MACS[®]. Very few materials are able to bridge the gap between perfect craftmanship and impressive art.



Healthcare

Cleanliness and sterility is paramount in hospitals and laboratories and any materials used should also meet the strictest standards. Its internationally certified resistance to dirt, viruses, bacteria and numerous chemicals make it the first material of choice in the healthcare sector.



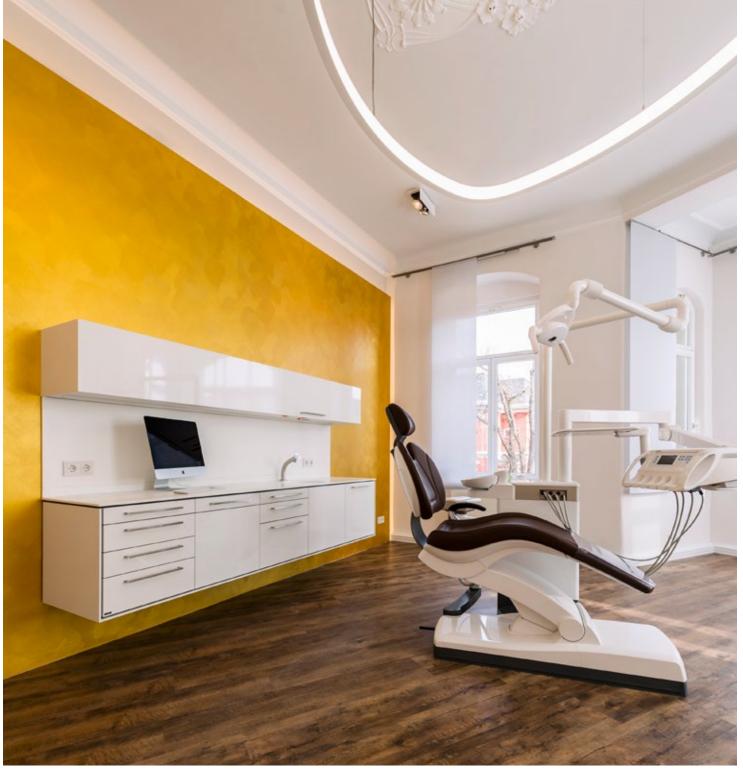


Hospital Diakonessen

Location: Utrecht, Netherlands Design: Inbo, Netherlands, inbo.com Fabrication: Technoplanning, Netherlands, technoplanning.nl – Baars & Bloemhoff, Netherlands, baars-bloemhoff.nl Material: HI-MACS®, Alpine White



HI-MACS[®] can be easily combined with other materials as here, in the hospital chemist's, with light oak wood. The generous work surfaces are created smoothly from the easy clean Solid Surface Material, as if in one pour.



Oral hygiene begins with the work surface

The sleek cubic furniture in this dental practice stand in contrast to the historical spaces with decorative gold tones and oak parquet. The functional smooth work surfaces with embedded wash basins could not be more hygienic.

Dental Practice Dresden

Location: Dresden, Germany Design: Ivo Kindermann, Germany, kindermann-architektur.de Fabrication: Geilert GmbH, geilert-gmbh.de – Klöpfer Surfaces, Germany, kloepfer-surfaces.de Material: HI-MACS®, Alpine White



Living Spaces

Any materials used within your own four walls are generally selected with the utmost care. After all you are going to be living under the same roof as them. It's ideal then that HI-MACS® is completely at home wherever a stylish, cosy and personalised ambience is required.

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Sleek elegance requires maximum functionality of the materials used: the work panel is 40 mm thick and offers the maximum generosity as a smooth surface.





Steps can be expertly crafted using HI-MACS®. The surface can be etched with non slip surfacing.



Kitchen and Stairs Amsterdam-House

Location: Amsterdam Design and Fabricaton: Houtwerk B.V., Netherlands, houtwerk.nl – Baars & Bloemhoff, Netherlands, baars-bloemhoff.nl Material: HI-MACS®, Alpine White

A linear material concept

Oak – laid in a herring bone pattern – and alpine white HI-MACS® are the materials which dominate the appearance of this house. In the kitchen, for example, the work surfaces continue as furniture frames, as a super solid step in the corridor, while the wood is used as parquet flooring as well as a back wall and wall covering.



Apartement 11

Location: Bratislava, Slovakia Design: Rado Rick Designers, Slovakia, radorick.com Fabrication: Mipex Design, Slovakia, mipexdesign.sk Material: HI-MACS®, Alpine White



Sleek and very extravagant

At a first glance, the installations in Apartment 11 are all sleek and linear. At a second glance, the detail reveals itself in unusual shapes, intelligent functionality and an impressive lighting concept.

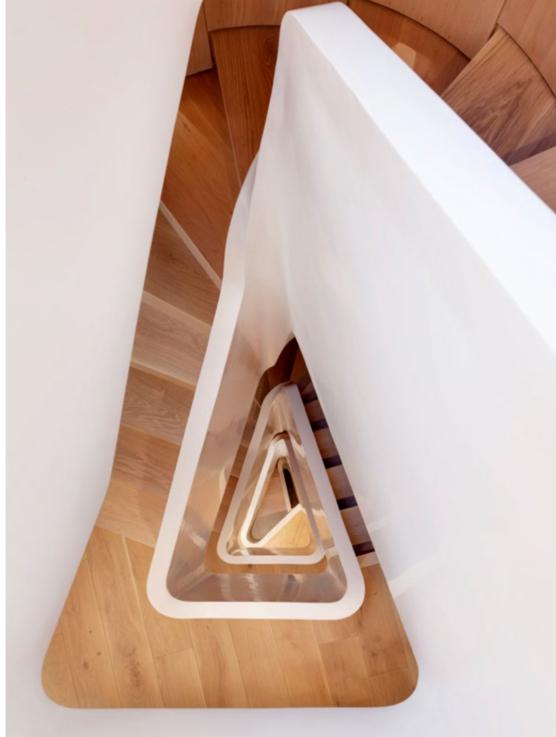


Flatiron House

Location: London, United Kingdom Design: FORMstudio, United Kingdom, formstudio.co.uk Fabriation: Solid Fabrications, United Kingdom, solidfabrications.co.uk Material: HI-MACS®, Alpine White

"A staircase with rooms"

HI-MACS® was one of the few materials that could take the shape of the extraordinary staircase, due to its ability to be shaped to a very tight radius. $HI\text{-}MACS^{\circledast}$ allows the possibility to assemble the structure in very small sections and finish the assembly on site in order to create a continuous surface, since it wasn't possible to work directly with a single piece given the dimensions of the space.



The signature staircase is key and centre of the slim building: perfectly executed in HI-MACS®, it feels natural and fluid and adds lightness to the entire house.



All images on this page: Photographed by Bruce Hemming

Kitchen

The ingredients as well as the material on which they are prepared, have a key role to play in creating a thoroughly successful meal.Thanks to its non-porous, dirt-repellent surface, HI-MACS[®] is ideal for working with food and even common chemicals cannot harm the material. Cooking thus becomes an absolute pleasure.





PWS Broad Oak Rye

The friendly HI-MACS[®] tone Santa Ana perfectly harmonises with the rustic oak kitchen and proves that hi-tech material and modern country house design work well together.

Private Kitchen LINEARE

Location: Hamburg, Germany Design: PLAN W GmbH, Germany, planw.com Fabricator: PLAN W GmbH, Germany planw.com – Klöpfer Surfaces, Germany, kloepfer-surfaces.de Material: HI-MACS®, Alpine White





Extremely generous and easy to maintain

The cooking island in the middle of the room is over a metre deep and has the effect of a solid block without joints. The sink is embedded in the long work surfaces opposite.

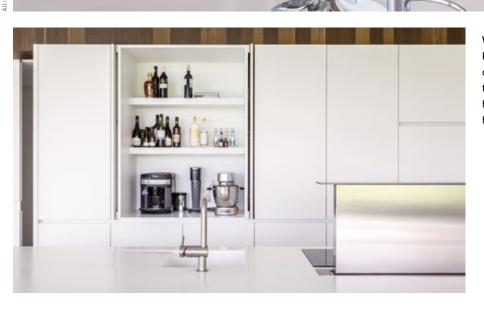
Very striking: the individual drainage grooves milled into the material.

Photographed by Heinrich Hermes, Berlin

Photographed by Tim Morris

BJ

Location: Diksmuide, Belgium Design and Fabrication: Waeles NV -Ruben Waeles, Belgium, waeles.be Material: HI-MACS®, Alpine White



White HI-MACS® is the theme of this loft apartment Kitchen work surfaces and furniture fronts as well as a casual sideboard are all manufactured from HI-MACS®: the material serves as a design bracket and guarantees high-quality optics, a pleasant grip and the highest hygiene quality.



The kitchen table you have always dreamed of

A bright yellow desk in the middle of the kitchen. The surface made from HI-MACS® Banana also means that the task at hand can be changed at any time and foodstuff can also be prepared on it. The material is extremely robust and incredibly easy to clean with household cleaning products.

PWS Milbourne Partridge Grey Kitchen

Location: Newton Aycliffe, Co Durham, UK Design: Graeme Smith, United Kingdom Fabrication: PWS Worksurfaces, UK, pws.co.uk Material: HI-MACS®, Banana

BATH

Thanks to its waterproof surface and the extensive range of washbasins, HI-MACS® is simply meant to be used in bathrooms. The warm, pleasing feel of the material wins you over from the very first touch. And its ease of care comes free of charge!



Black Box with flexible content

Not Only White shows once again with the Scape Monolith what linear means: the cubic construction is based on the slim black exterior walls and is therefore elegant and spacious. Different functions can be extended using a total of three different HI-MACS[®] inner modules.











Vanity Basins: New HI-MACS®-Range

These bowls, all Alpine White, designed and produced by LG Hausys are part of the standard product offering. (3D RENDERINGS NOT PHOTOS)

The latest top-mounted basin design

The new HI-MACS[®] range meets current designer trends; slim, straight outer walls and maximum generosity make this cornered or rounded top-mounted basin an extremely elegant piece of furniture in the bathroom. Especially for the rectangular version, the small corner radiuses lead to a very large inner basin area.

Ponte Giulio Bathroom Collection

Design and Fabrication: Ponte Giulio, Italy, pontegiulio.it Material: HI-MACS®, Alpine White

A wash basin out of a science fiction

The cubic wash basin from the current Ponte Giulio collection is equally impressive whether switched on or off: on one hand a minimalist, sharp-edged hand basin and on the other a stylish lighting object.

Frame, Blend and Noon

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



When a wash stand becomes a sculpture

Some designers are able to design futuristic objects by perfectly covering things up. Marike Andeweg, the founder of Not Only White, takes a different route: the individual components of her objects are all visible and also so perfectly orchestrated that an attractive, harmonious overall picture is the result.



Furniture Design

Whether it is used for hexagonal tables with internal lighting, honeycomb-shaped shelving, engraved counters or thermoformed seating, $\textsc{HI-MACS}^{\otimes}$ provides limitless design options. Its versatility produces furniture creations that could otherwise not be achieved using conventional materials.



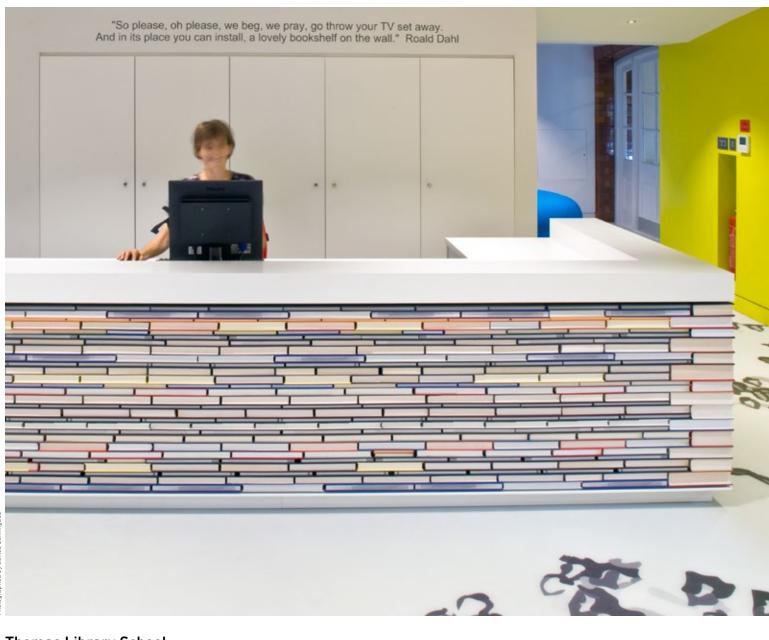
Furniture "Lamp cube on a hight", "Table No Waste" and "Chair Recup" Location: Thierry Wille LOFT - Bruges, Belgium Design: Thierry Wille - Arthies Design, arthiesdesign.be Fabrication: Steven Baudewijn, Belgium, stevenbaudewijn.be Material: HI-MACS[®], Alpine White, Opal, Orange

Furniture classics reloaded

If furniture not only needs to look good but also requires functionality, HI-MACS® is a good idea: the material lends contemporary functionality to classic design.

Education

When it comes to educational buildings, the users are usually young people. HI-MACS^{®'} extreme toughness and ease of maintenance are thus the best prerequisites to withstand everyday life in nursery schools, schools, universities and other institutions. What is more, with its 98 colours, HI-MACS[®] also provides visual stimulus and inspiration.



Thomas Library School

Location: London, United Kingdom Design: Hugh Broughton Architects, United Kingdom, hbarchitects.co.uk Fabrication: John Weaver Furniture, United Kingdom, johnweaverltd.co.uk Material: HI-MACS®, Alpine White

The librarian's desk holds 875 books and stands up to thousands of sticky fingers.

HI-MACS® was integral to the new design, helping the architects achieve their overall aim: this public area is extremely hygienic, easy to clean and can be seamlessly joined so there is nowhere for dirt and germs to hide – perfect for an environment filled daily with hundreds of children.

Outdoor

Materials used outdoors are exposed to the weather all year round. This means sun and rain, snow and ice and therefore a lot of moisture and very different temperatures as well as strong UV rays. HI-MACS® has passed all the required tests with a selection of colours and thus considerably broadens the design options available to architects when designing for the outdoors.



Outdoors is the new indoors for HI-MACS®

More and more architects and builders are appreciating the hardwearing qualities of HI-MACS[®] and are using the material for outdoor furniture or outside façade designs. The result: expansive, virtually seamless surfaces and an attractive visual style emanating from the linear curved contours.







Airport

Desks, counters and shelving at airports are exposed to extremely heavy and constant use and being touched by travellers and staff alike. Thanks to the easy-care and exceptionally wear-resistant solid surface material HI-MACS®, the fixtures will look just as modern and clean even after many years of use.



Column Cladding at Paris Charles de Gaulle Airport

Location: Paris, France Designer: Marc Fidelle and Andrei David, Direction de Ingénierie et de l'Architecture d'Aéroports de Paris, France, aeroportsdeparis.fr Fabrication: LCCA, France, lcca.fr

Material: HI-MACS®, Alpine White



Only flying is better?

Thousands of passengers, an infinite volume of baggage, tremendous to-ing and fro-ing- these extreme circumstances can often occur at airports which demand the ultimate from its interior architecture. HI-MACS® has proven itself over and over again in recent years to be an extremely durable material. In addition, its versatility and superior appearance are the best prerequisites for successfully coping with whatever occurs day to day in the airport.

All images on this page: Photographed by Mathieu Ducros

Marine Industry

A new composition of HI-MACS® has been developed for use in shipbuilding: HI-MACS® FR, which has been awarded the IMO certificate module B and D in compliance with the Marine Equipment Directive for its fire resistant and low spread of fire properties.

Four bathrooms and a kitchen – HI-MACS® does it all.

To give the interiors a more modern look and create an unusual colour contrast, the designers decided to mix the environment, using dark brown walnut containing grey and black grains, with contemporary details in steel and HI-MACS[®].

The Solid Surface material is used predominantly in the kitchen and the

bathrooms: HI-MACS[®] made it possible not only to create bathrooms in a number of different colours (using four different shades of the bright and original Lucent collection), but also to give the impression that all the interiors are one continuous piece of material. The best example shown by the washbasins, perfectly integrated into the vanity top.











MY Selena

Location: Waalwijk, Netherlands Design: Wim van der Valk Continental, Netherlands, wimvandervalk.com Fabrication: Bone Solid, Netherlands, bonesolid.nl – Baars & Bloemhoff, Netherlands, baars-bloemhoff.nl Materiat: HI-MACS®, Alpine White, Opal, Sapphire, Ruby, Emerald, Desert Sand, Mars



All images on this doublepage: Photographed by Jeffrey de Bie

Best of the Last Decade

Within the last years HI-MACS® found its way in the awareness of numerous great architects and designers – some very well known, some on their way up. Thanks to their ability and talent some architectural masterpieces have been realised with HI-MACS®. A selection of those can be found here.



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.

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.











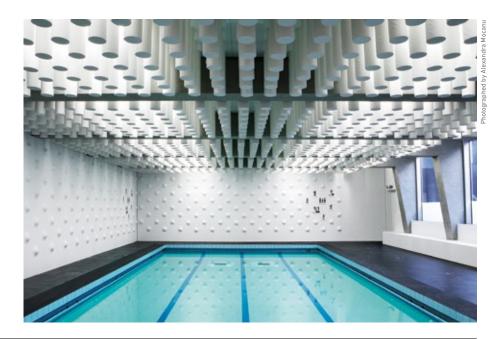
42 | HI-MACS[©] – The Natural Acrylic Stone[™] by LG Hausys – himacs.eu

Atlas Swimming Pool

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

Where the new generation enjoys cool wetness.

This indoor swimming pool in a Parisian school was designed mainly with HI-MACS®: parts of the exterior walls, the geometrical relief on the 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 mouldability are positive properties of the material, which also gives the space a unique atmosphere.









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

Breathtaking effect thanks to HI-MACS® and a brilliant idea.

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 outstanding overall interior architectural design.

Showroom ALV

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

Look this way please!

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



Shaping the future. In harmony with the environment.

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 wastewater, 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 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 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®.

Sinks and 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.

HI-MACS® Bowls for bathroom (top mount installation)

These three new shapes are HI-MACS® answer to the trend of straight-lined design. All three bowls are exclusively designed for top mount installation. The tight radiuses of the two rectangular versions lead to exceptional











spacious bowls. The slim but robust side walls add an elegant contemporary look to these shapes.



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 *

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 ****

* Only available in S028 Alpine White.

** Only available in S001 Satin White, S005 Grey, S006 Arctic Granite, S009 Cream, S022 Black, S025 Fiery Red, S104 Toffee Brown, S201 Nougat Cream.

*** Only available in S028 Alpine White and S006 Arctic White.

**** Only available in Solid colours.

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 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 GO2 CHANGES	EVALUATION OF SO6 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
Веег	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 Other work surfaces: wear resistance group: «1C»		Requirement met +	according to DIN 68861 & DIN 68930

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
	0111	SOLIDS	GRANITE	
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	1.75	1.65	ISO 1183
	kg/m ³	1750	1650	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				DIN EN 438 Part 12
weight strength/thickness		<0,1% <0,1%	<0,1% <0,1%	
Impact resistance		<0,170	-0,170	
impactor	N	≥25	≥25	E DIN EN 438, 02/02 Part 2/20
drop ball test (fall height)	mm	≥1500	≥1500	E DIN EN 438, 02/02 Part 2/21
Slip resistance		>0,32 - 0,9		GMG100 (replaces R9)
Slip resistance		angle of acceptance of m	ore than 10° to 19° = R10	DIN 51130
Climate change resistance	°C	≥0,05	≥0,05	АМК
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				DIN IEC 1340-4-1, 04-'92
Conductivity	>1x10 ¹² Ω	insulating non-conductive	9	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		18607	16150	DIN EN ISO 12572
factor	μ	10007	10130	DIN EN 130 12372
Dimensional change by change in relative humidity				DIN EN 318, edit. 5, 1998
length	%	-0.03	-0.02	
thickness mass	%	0.06 0.05	0.03 0.05	
Resistance to boiling water	,0		0.00	E DIN EN 438.02/02 Part 2/12
increase in weight	%	<0,1	>0,1	2 Div Liv 400, 02/02 Fait 2/12
increase in thickness	%	<0,1	<0,1	
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		B1		DIN 4102-1
HI-MACS® MPA/NRW		non-dripping material		DIN 5510
(BAM) 12 mm		B1 for all colours*		
(BAM) 9 mm + back-up (Bodycote/Warrington) 12 mm		B1 for all colours* B-s1 , d0		DIN 4102-1 BS EN ISO 11925-2 : 2002
(Body Color Warnington), 12 mm		for all HI-MACS® colours*		BS EN 13823: 2002
		complies with BS 476		
		class O		
 * not currently applicable to Marmo, Galaxy, Volcanics, Lucent and Eden 				

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 himacs.eu



NEW Lucia

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





NEW

Lentil

Three colours designed by Marcel Wanders:

Ice Queen

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

Frosty

VA022 [12 mm]



Shadow Queen W003 [12 mm]



W004 [12 mm]

marcel wanders[®]

Red Quinoa * W010 [12 mm]

Volcanics

W007 [12 mm]



W001 [12 mm]





Taos * VB021 [12 mm]

Sapphire

S303 [12 mm]



Cima * VB002 [12 mm]

Marmo

Gemini

VW001 [12 mm]

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

Tambora

VE001 [12 mm]







Santa Ana

VA001 [12 mm]

Roma * M104 [12 mm]

Verona * M105 [12 mm]

Lucent

Maui

VG021 [12 mm]

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





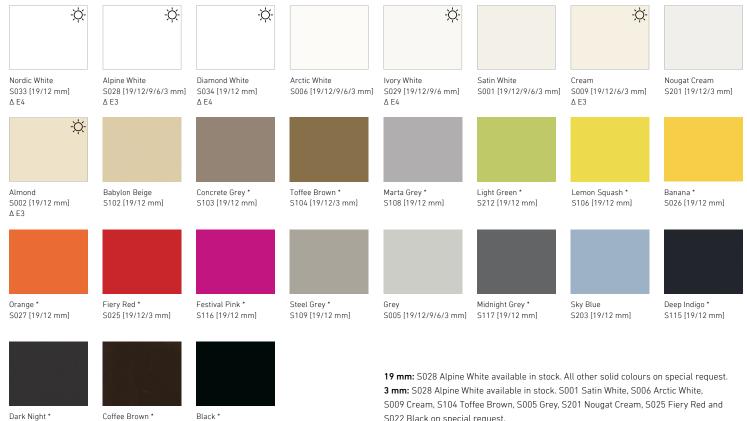
Opal . S302 [12/6 mm] ΔE4

Ruby S304 [12 mm]

Emerald S305 [12 mm]

Solids

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



S111 [19/12 mm]

Black * S100 [19/12 mm] S022 [19/12/9/3 mm]

S022 Black on special request.

Aster (Galaxy)

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



Uranus T002 [12 mm]



T010 [12 mm]

Venus











Nebula

T011 [12 mm]

Mars T016 [12 mm]

Andromeda T017 [12 mm]

Carina T018 [12 mm]

New Moon T019 [12 mm]

Hercules * T020 [12 mm]

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 coved 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 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 5 Year Warranty on colours' UV resistance for a tolerance of Δ E3 to Δ E4 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.

Granite, Sparkle, Quartz, Sand & Pearl

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

















G074 [12 mm]

Arctic Granite G034 [12/9/6 mm], ΔE3

White Granite G005 [12 mm] Δ E4

Natural Granite G023 [12/9 mm]

Grey Granite G017 [12 mm]

Platinum Granite G007 [12 mm]

Grey Crystal G102 [12 mm]



Mocha Granite



Black Granite * G031 [12/9 mm]

Sparkle colours designed by Karim Rashid:



Kreemy Grey P101 [12 mm]



santin





White Quartz G004 [12/9/6 mm], Δ E4



Crystal Beige G101 [12 mm]



Sea Oat Quartz G038 [12 mm] ΔE3



Allspice Quartz G063 [12 mm]



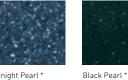
Lunar Sand G108 [12/9 mm]



Brown Pearl * G105 [12 mm]



Pebble Pearl G107 [12 mm]



Midnight Pearl * G015 [12 mm]



G010 [12/6 mm]

Black Sand G009 [12 mm]

Beach Sand

Δ E3

G048 [12/9 mm]



Ò





Desert Sand

G001 [12 mm]

Tapioca Pearl



Grey Sand G002 [12/6 mm] Δ E4



G050 [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!

himacs.eu

Eden

Cocoa

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.





G501R [12 mm] 12% Recycled Content



Poplar G511R [12 mm]

35% Recycled Content



Birch Bark G514R [12 mm] 35% Recycled Content







Hickory

G516R [12 mm]

35% Recycled Content



Mountain Ash

G517R [12 mm]

35% Recycled Content



Rine 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 44 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 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)

Colours | 51

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

HI-MACS[®]. The New Generation.

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