



 **LG Hausys**
Authorised distributor

HI-MACS[®]

Laminex[™]
NEW ZEALAND



Acrylic Solid Surface

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Opera House China ▼

Location: Huajiu Road, Tianhe District,
Guangzhou city, Guangdong-China

Design: Zaha Hadid Architects

Fabricator: Gooday International

Material: HI-MACS® Alpine White

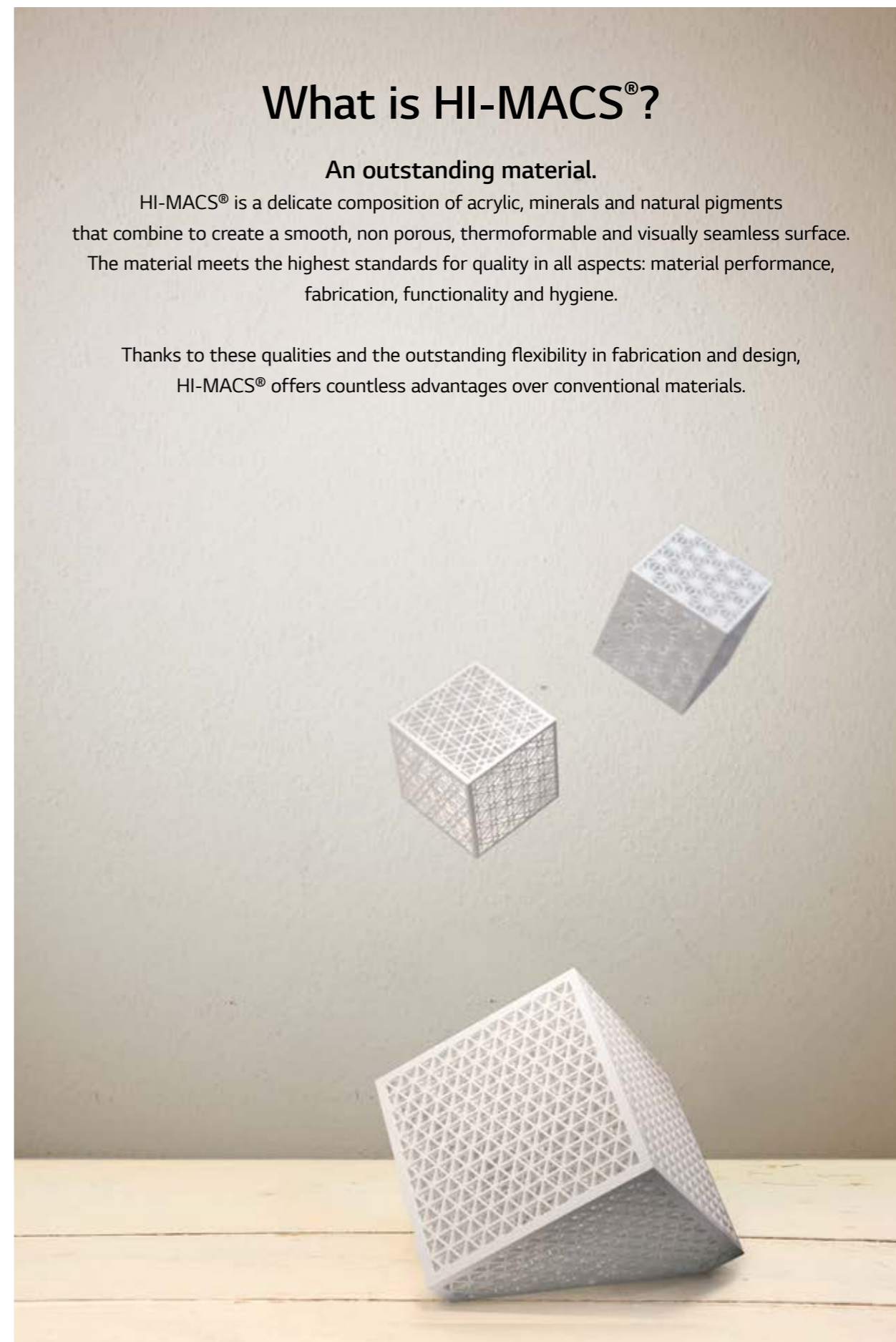


What is HI-MACS®?

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. 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.



LG Hausys leads the way in terms of environmentally responsible action on a global scale, always staying true to this promise. We take environmental responsibilities very seriously.

THESE FACTS SPEAK FOR THEMSELVES



Image shows composite materials of HI-MACS®

1. SILICA FREE

HI-MACS® does not have Crystalline Silica as an ingredient nor is it used in any part of the manufacturing process.

2. MATERIAL COMPOSITION

Aluminium trihydroxide, the main component of HI-MACS®, is a resource-efficient bi-product of Bauxite (aluminium production). This allows a valuable raw material, that would otherwise be discarded without being used, to be utilised in a meaningful way ("Second life concept").

3. MATERIAL SAFETY

Extensive studies – within LG Hausys' own laboratories as well as tests carried out by other renowned independent institutions – have shown that the HI-MACS® material itself, as well as the cured adhesive, are completely free from formaldehyde and emissions. HI-MACS® has been awarded the Greenguard Gold Indoor Air Quality Certificate.

4. MANUFACTURING PROCESS

The production of this solid surface material is marked by an excellent energy balance. In recent years, the company was very successful in achieving ambitious goals in terms of waste reduction and water conservation. In addition, HI-MACS® plants in Cheongju (Korea) and Atlanta (USA) meet all environmental standards.

5. PROCESSING

The material allows for virtually waste-free processing. In addition, HI-MACS® installations are extremely strong and durable. They can easily be renewed to their original appearance, meaning they don't have to be replaced, thus giving a positive long-term environmental footprint.

6. AWARDS, CERTIFICATES AND REGULAR TESTING

Numerous internationally recognised certificates show the strong focus of LG Hausys on environmental issues. Without exception, all HI-MACS® products are manufactured in accordance with environmental standard ISO:14001 and are NSF and Greenguard Certified. LG Hausys also voluntarily submits to regular environmental audits and energy consumption analyses, publishing the results afterwards.

Why HI-MACS®?

HI-MACS® enhances the elegance and harmony of your living and working environments with natural beauty and the synthesis of design and creativity.

Ideal for countertops and other surface applications where durability, versatility and lasting beauty are a must. With an ever-expanding collection of colours and styles, HI-MACS® will inspire interior designers, architects, commercial developers and home owners.

15 YEAR WARRANTY

With its 15 year limited installation warranty, HI-MACS® offers the longest warranty of any Solid Surface manufacturer on the market. A limited 15 year installed warranty applies to all HI-MACS® structures provided they have been fabricated and installed by an authorised fabricator and correctly maintained according to recommended guidelines

ULTRA-THERMOFORMING

The innovative formula allows for more dramatic shaping: the minimum internal radius of 6mm (previously 50mm) opens a whole new design dimension. The new product is more flexible thanks to the thermoforming process, which allows designers to create much sharper curves and organic designs

INTENSE ULTRA BLACK

Durable colour with improved wear resistance becomes more "intense", darker, with less visible scratches therefore less whitening. The new formulation allows for colour consistency during and after fabrication, maintaining the dark colour when worked, producing less sanding dust and leaving fewer sanding marks on the surface and edges

MODERN DECORS - MARMO COLLECTION

A contemporary modern collection that embodies the organic look of natural stone. Captivating a combination of veined patterns and translucent chips, Acrylic Solid Surface has never looked so natural, rich and luxurious. Following trends for top quality marble looks, ranging from pale white-in-white, through shades of grey, to striking dark-brown and anthracite tones, for a more realistic look and easier seamless fabrication

OUTDOOR APPLICATION

Exceptional quality means HI-MACS® is now suitable for outside application. More and more architects and builders are using the material for outdoor furniture or outside facade designs. The result: expansive, virtually seamless surfaces and an attractive visual style emanating from the linear or curved contours

FIRE PROPERTIES

HI-MACS® is ideal for places where security is the number one criteria of choice. HI-MACS® has a Group Classification Number – 3 and is tested in accordance to AS 5637.1-2015



Outstanding features abound. A compelling material

SEAMLESS PERFECTION

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 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 HI-MACS® installation be damaged at any time



THREE-DIMENSIONAL 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 colors 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 HIMACS® 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



SIMPLE PROCESSING

Although HI-MACS® is almost as robust as stone, it can be worked in the same way as wood. Using conventional carpenters' tools, this solid surface material can be sawn, routed or drilled. It lends itself to the creation of an endless variety of multi-dimensional forms and much, much more. No wonder most people working with the material have a background in woodworking and appreciate HI-MACS® as a natural partner for innovative ideas



HYGIENIC AND EASY MAINTENANCE

HI-MACS® is seamless and non-porous without crevices or surface irregularities where harmful bacteria and mould may reside. Unlike other surfaces, it does not require a regular reapplication of sealants or waxes against natural pits and cracks to maintain hygienic properties. Built to last a lifetime, HI-MACS® endures its everyday wear and tear with higher resistance to stains, chemical and heat. With proper care and maintenance, HI-MACS® will remain beautiful and durable for many years



HI-MACS® PRODUCT RANGE

HI-MACS® is a solid surface material that can be moulded into any shape. It is widely used for architectural and interior applications, such as sculptural and high performance wall-cladding or kitchen, bathroom and furniture surfaces, in commercial, residential and public space projects.

MARMO

Captivating random veined texture, reminiscent of marble



INTENSE ULTRA

The new HI-MACS® Intense Ultra combines the best of both worlds: Intense Colour Technology and Ultra-Thermoforming



VOLCANICS

Full of depth and mysticism, akin to a precious natural stone but with all of the advantages of Acrylic Surface



ASTER

With transparent grains and mother of pearl shimmer



GRANITE

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



LUCENT

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



CONCRETE

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



SOLID

From effortless to extravagant, classic to ultra-contemporary - this is a timeless collection

HI-MACS® New Zealand Collection







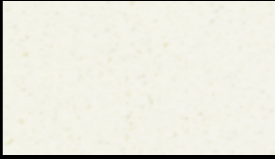



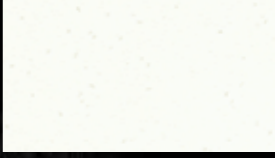

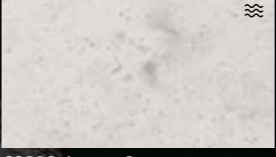
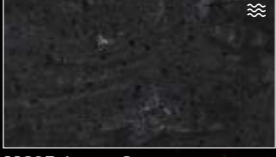

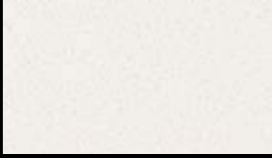


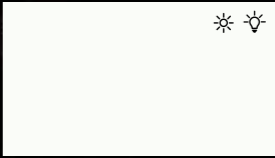
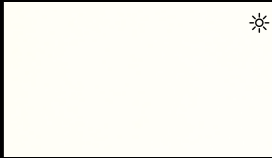
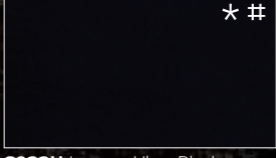

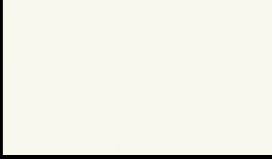



The 24 HI-MACS® colours featured in this brochure are stocked by Laminex New Zealand™. Visit laminex.co.nz to order your free samples.

Finish:
HI-MACS® solid surface is supplied unfinished. Please ensure you specify your desired finish prior to fabrication. Matte and Satin finishes are more suited to high wear applications, as high gloss finishes tend to show more signs of wear.
Ultra-Intense Black: To achieve an extreme black look the surface needs to have a gloss finish.
There may be some slight variation in colour between the illustrated and the sample due to printing techniques, colour may vary slightly from the sample.

- ★ Darker and more heavily pigmented colours will show dust, scratches, haziness, marks left by hard water and other ordinary wear. Extra care is needed for high wear applications such as benchtops
- ✧ Suitable for exterior use. Please check conditions about level of suitability and warranty per colour
- ⚡ Shows less scratches, dust, marks and whitening compared to the standard black and greys and other dark colours offered or in the market, as well as improved thermoforming capabilities
- ≡ As Marmo is a randomly veined product, specific fabrication guidelines need to be followed. Ask our sales representative for more information
- ☼ Lucent colours have a higher level of translucency, more evident when combined with light source
- ☽ Colours with this mark have a semi-translucent effect, evident when combined with light sources

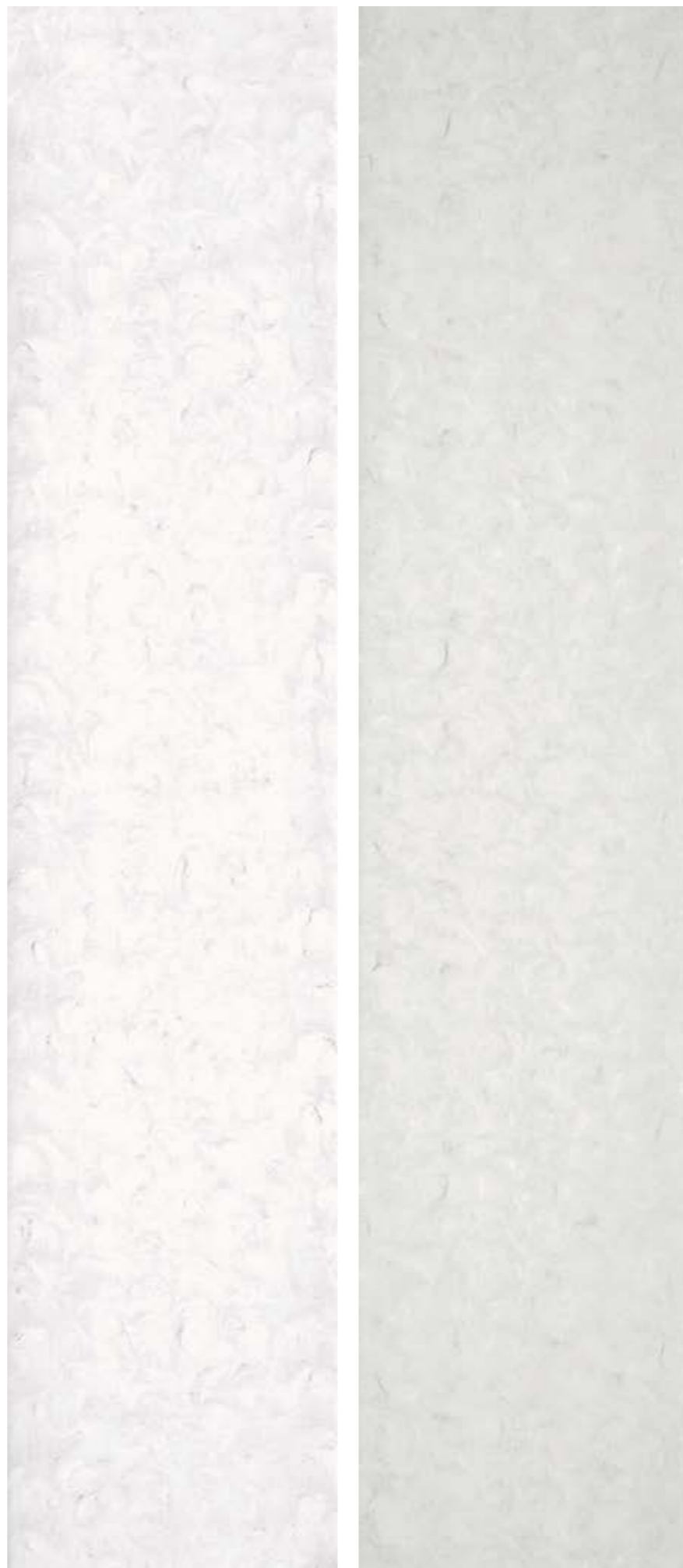
NEW ZEALAND COLOURS.

MARMO		GRANITE	
			
M421 Passo	M423 Ancona	G004 White Quartz	G101 Crystal Beige
			
M426 Laviano	M601 Aurora Torano	G110 Corona	G034 Arctic Granite
			
M603 Aurora Pavia	M606 Aurora Bianco	G235 Candy White	G115 Whinstone
			
M608 Aurora Grey	M605 Aurora Sanremo	VW01 Gemini	T017 Andromeda
CONCRETE	ULTRA SERIES	VOLCANICS	ASTER
			
G555 Steel Concrete	S928U Ultra Alpine White	S302 Opal	S028 Alpine White
			
	S922U Intense Ultra Black	S304 Ruby	S006 Arctic White
			
		S034 Diamond White	

NEW COLOURS

HI-MACS® MARMO NEW COLOURS

The HI-MACS® Marmo Collection has been updated with new colours to fulfill current trends for top-quality marble looks, ranging from pale white-in-white, through shades of grey, to striking dark-brown and anthracite tones. The new tones, born from the latest generation of Marmo Solid Surface production technology, display a surface with short and sharp veining, for a more realistic look and easier seamless fabrication.

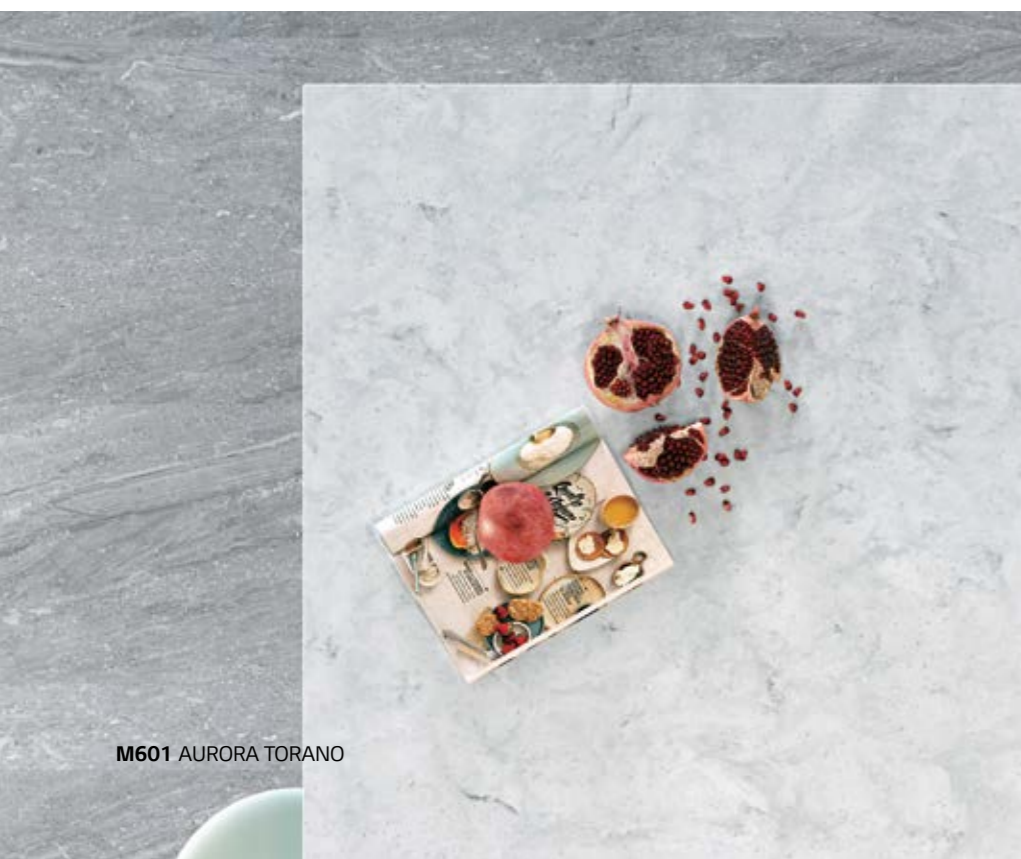


M606 AURORA BIANCO



M608 AURORA GREY







HI-MACS® ULTRA ALPINE WHITE

The hero in our range, Alpine White - HI-MACS® Ultra-Thermoforming allows for even more extreme curves. The minimum inner radius of 6mm (usually 50mm) offers a completely new design dimension. The product has 30% greater flexibility, which allows designers to create much sharper curves. Even the smaller radii can be created without affecting the material properties.

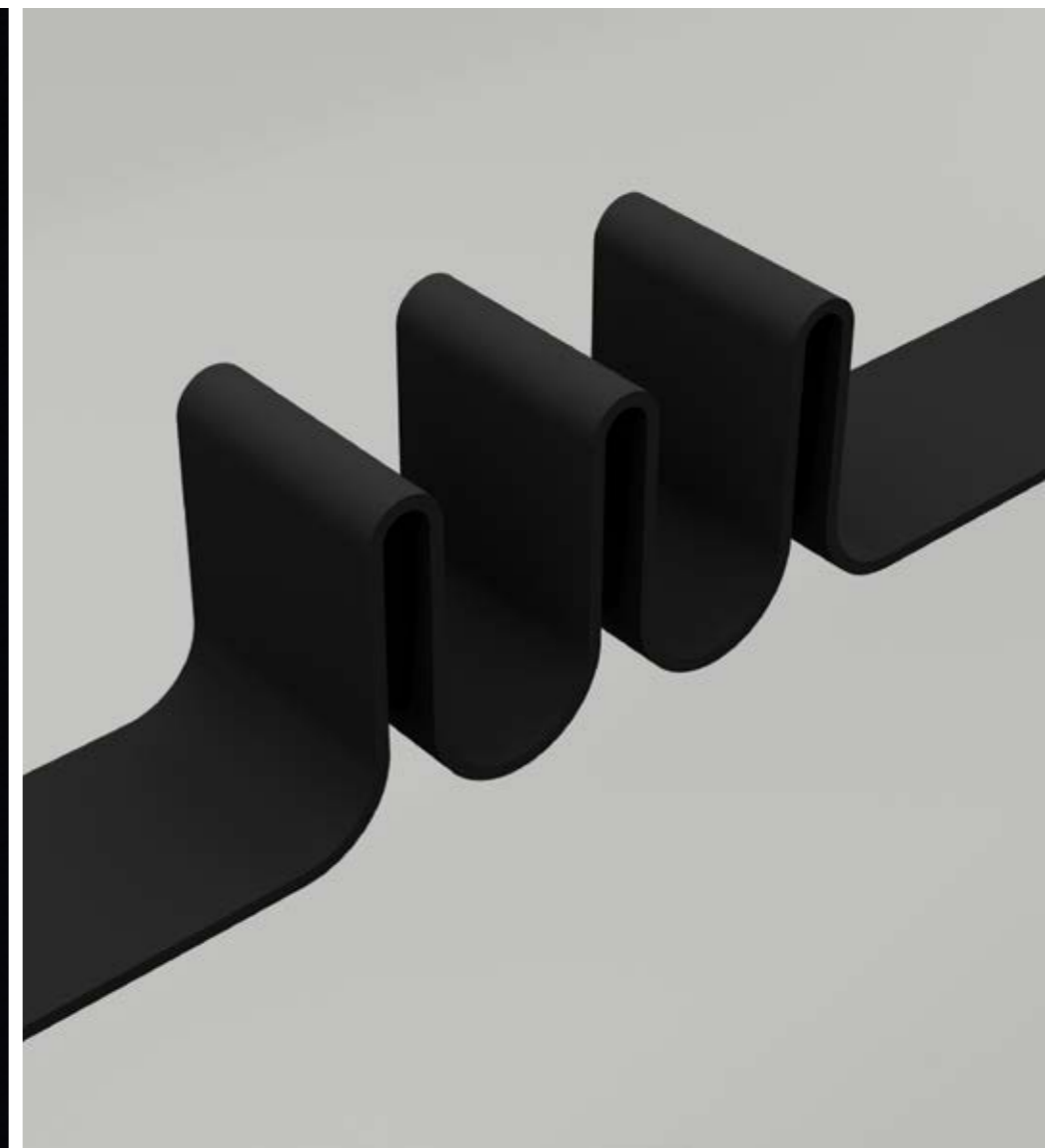
The new ultra-thermoforming capabilities in popular Alpine White is available in a thickness of 12mm and can be used indoors and outdoors.



HI-MACS® INTENSE ULTRA BLACK

The new HI-MACS® Intense Ultra Black is a revolution for the solid surface market which opens new possibilities for surface design. The new product combines the characteristics from two worlds: Intense Colour Technology and Ultra-Thermoforming. Dark colours become more “intense”, darker and also more resistant, with less visible scratches.

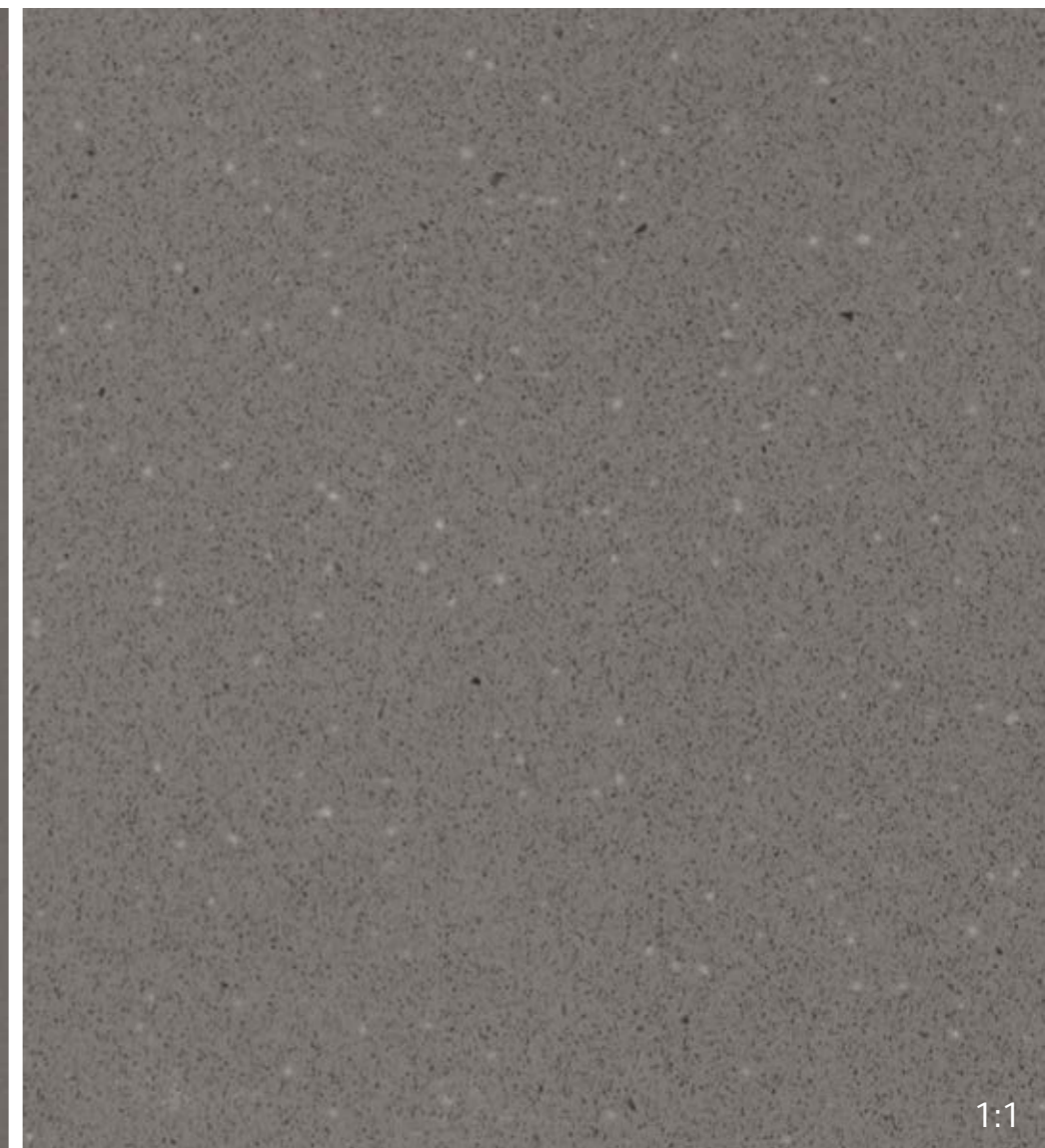
The new formulation allows for colour consistency during and after fabrication, maintaining the dark colour when worked, producing less sanding dust and leaving fewer sanding marks on the surface and edges. The new HI-MACS® Intense Ultra, also has excellent thermoforming capabilities. This new formula allows the material to reach a very small internal radius, up to 6mm, with almost no whitening effect. Sharp curves and dramatic designs in dark tones that were once out of reach for solid surface materials, are now made possible with HI-MACS®.



HI-MACS[®] CONCRETE

This product embodies the rough texture of raw concrete with the smooth finish of HI-MACS[®].

Inspired by modern industrial architecture, it can be used in any applications, such as wall covering, kitchens and bathrooms, adding a special ambience to the space.

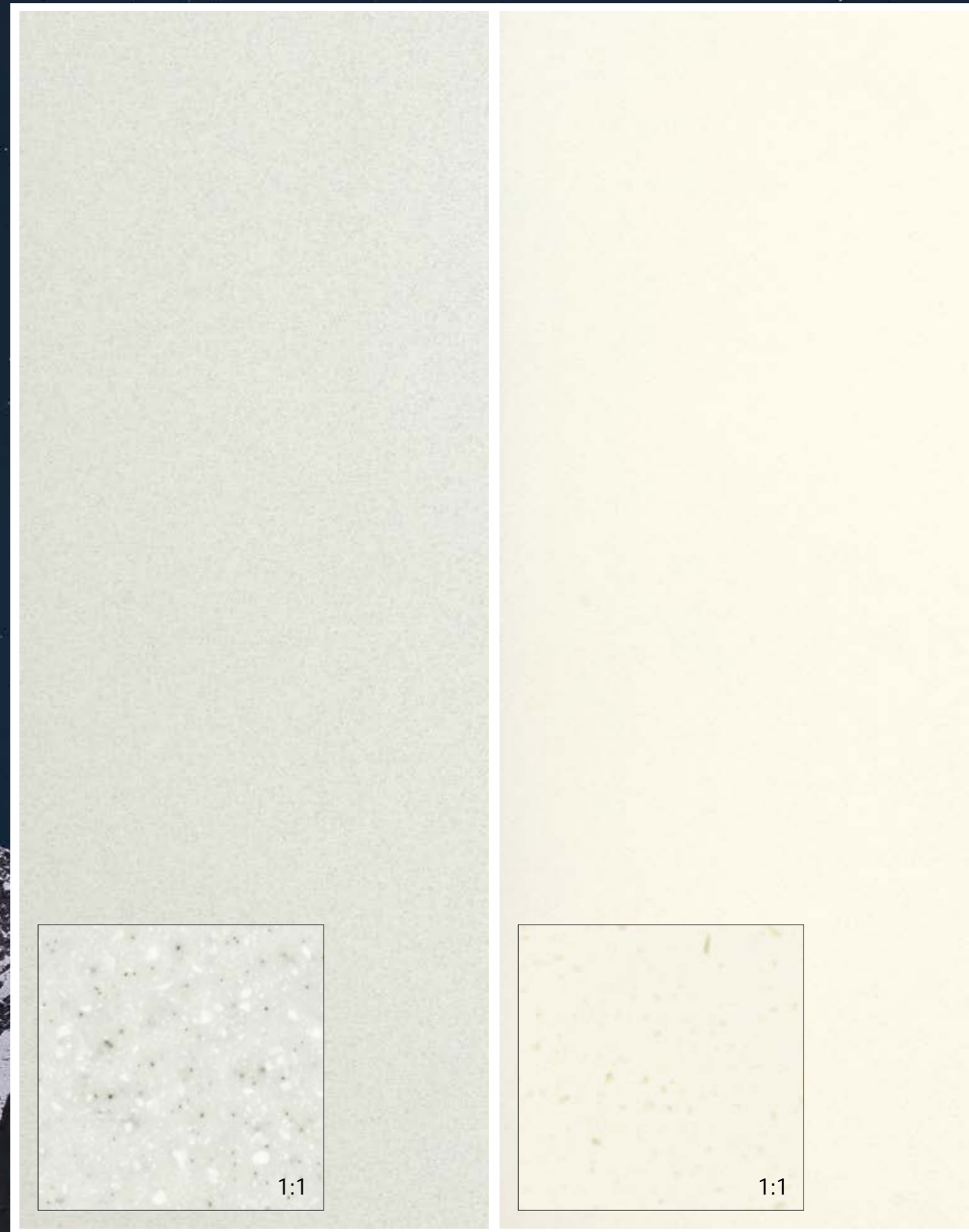
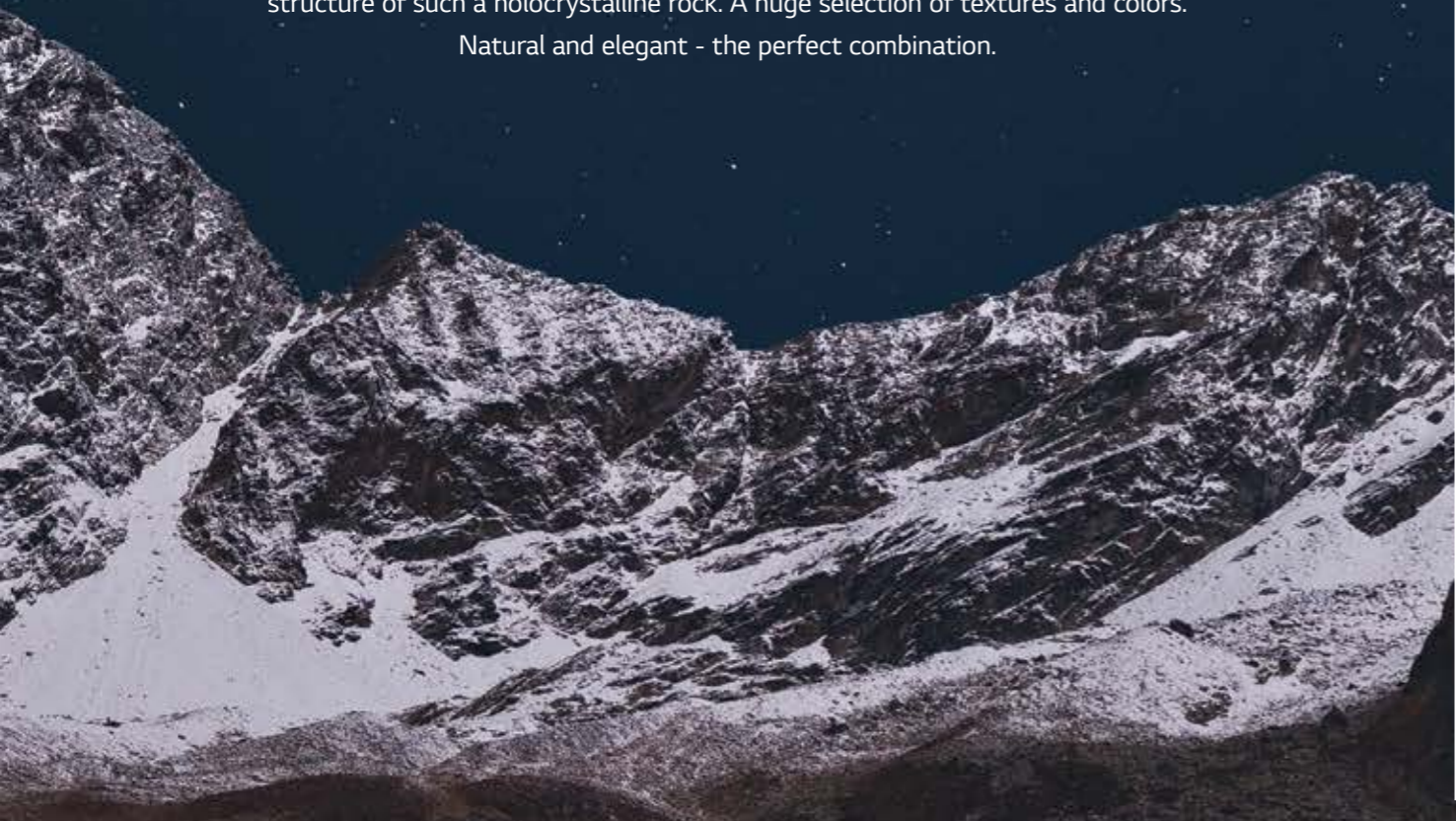


1:1



HI-MACS[®] GRANITE

Granite comes from the Latin granum, a grain, in reference to the coarse-grained structure of such a holocrystalline rock. A huge selection of textures and colors.
Natural and elegant - the perfect combination.

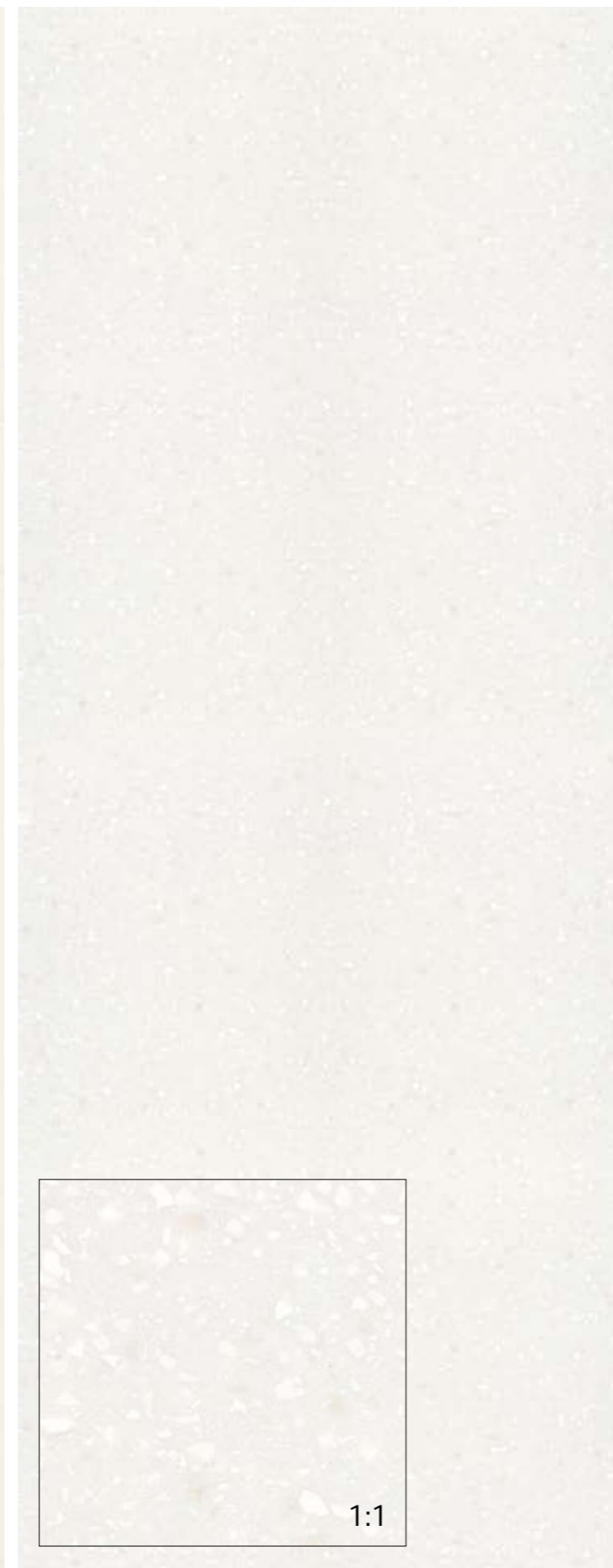


G004 WHITE QUARTZ

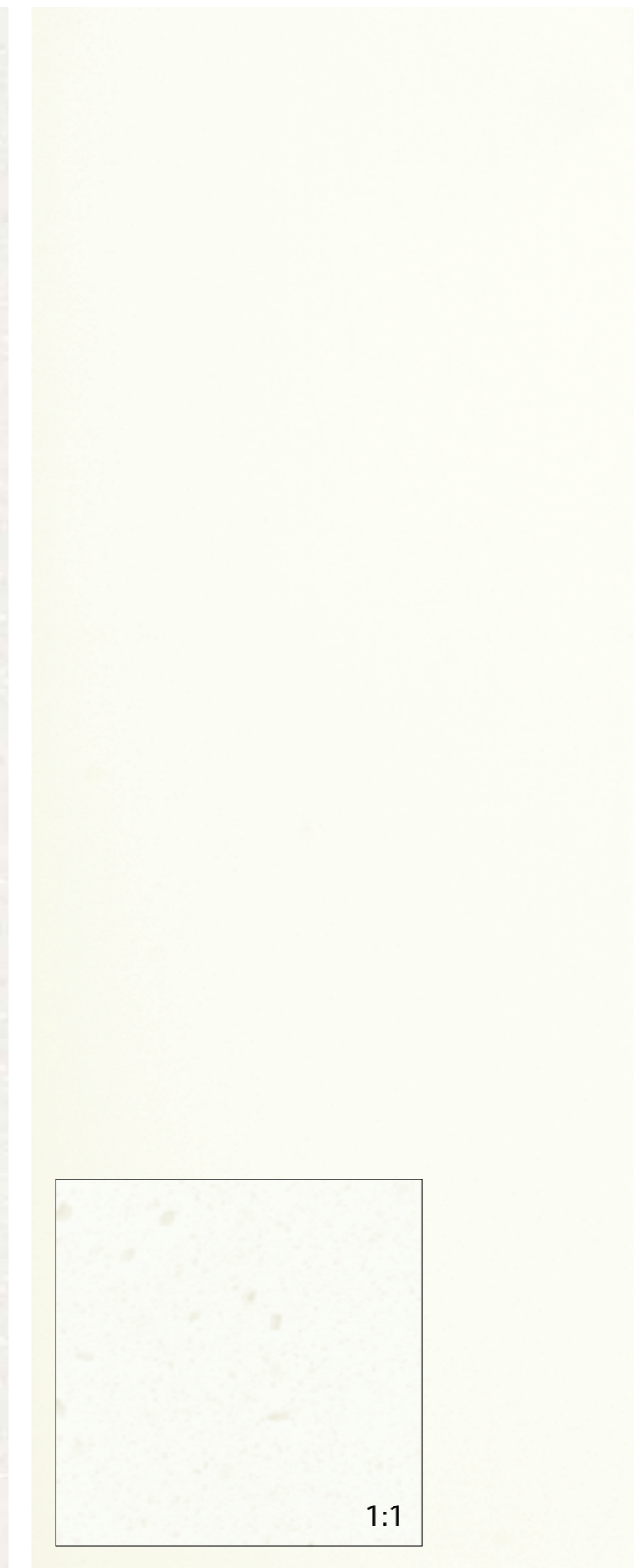
G101 CRYSTAL BEIGE



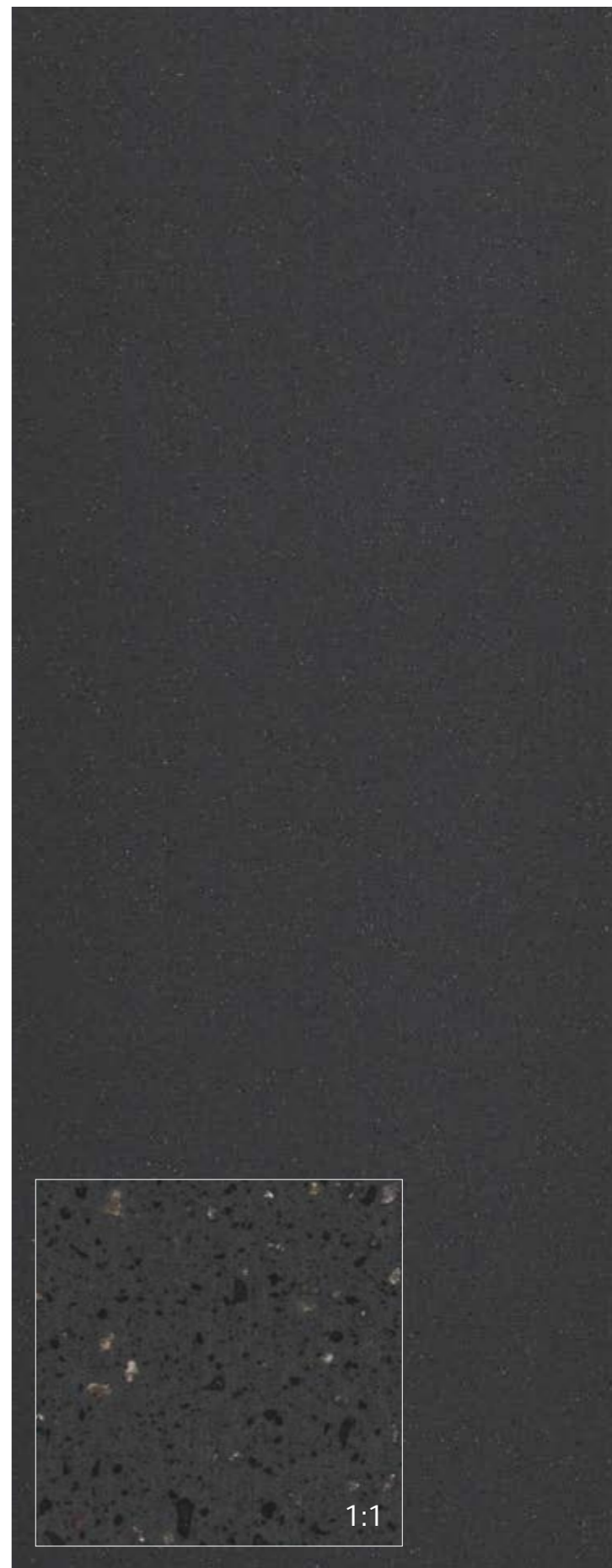
G110 CORONA



G034 ARCTIC GRANITE



☼ **G235** CANDY WHITE



G115 WHINSTONE

HI-MACS® VOLCANICS

Full of depth and mystery, akin to a precious natural stone but all of the advantages of "Acrylic Solid Surface". The enhanced natural look comes from unique translucent and tricolor chips which enable you to enjoy the beauty of natural stone, without having to sacrifice the ease of maintenance and fabrication you can experience with HI-MACS®.

1:1

HI-MACS® ASTER

Ethereal with transparent grains and mother of pearl shimmer, as if from another world. The highly transparent chips provide a richness with its unique chips. The transparent chips with a dazzle of pearls provide a mystic elegant atmosphere.

1:1

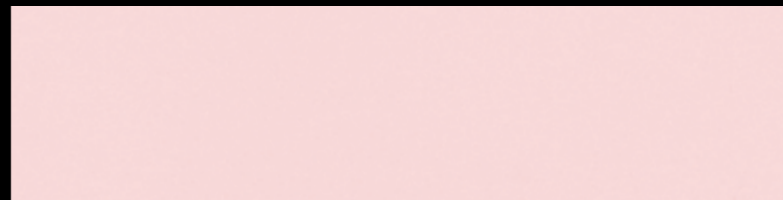
HI-MACS® LUCENT

“Dramatic effect derives from what is probable, and not from what is possible.” – Aristotle -

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



☀️ S302 OPAL



☀️ S304 RUBY

HI-MACS®: Redesign of the Tourist Office at Plaza Mayor in Madrid ▼

Design
Jose Manuel Sanz Arquitectos
Fabrication
Maderama carpintería, Spain
Photo credit
© Jesús Granada

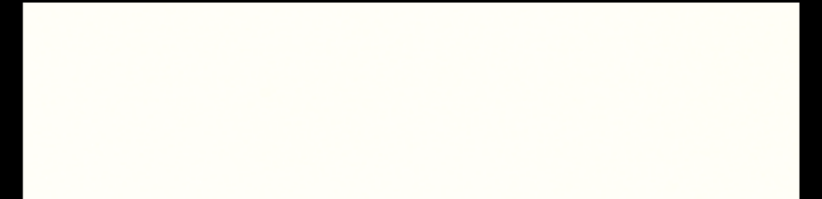


S302 OPAL

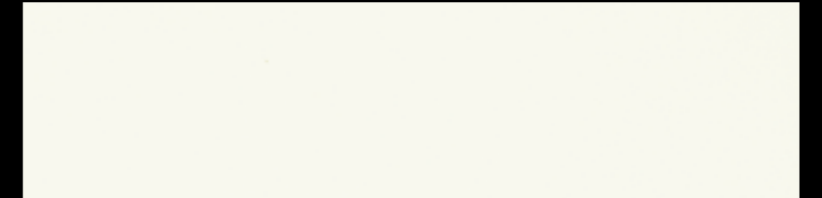
HI-MACS® SOLID

The classic in terms of solid surfaces – shades of white lies at the heart of this collection.

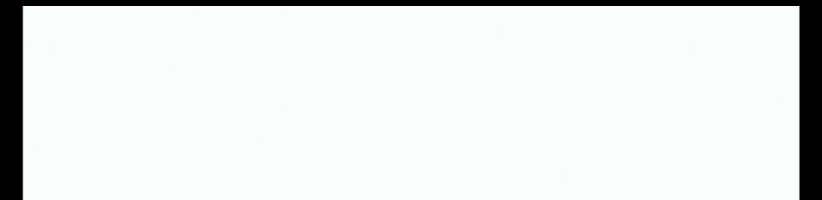
From elegant to extravagant, classic to ultra-contemporary this is a limitless collection.



☀️ S028 ALPINE WHITE



S006 ARCTIC WHITE



☀️ S034 DIAMOND WHITE

Leonardo Glass Cube ▼

Design
3deluxe, Germany
Fabrication
Roskopf + Partner AG, Germany
Photo credit
Emanuel Raab



S028 ALPINE WHITE

HI-MACS® Commercial

With its effortless ability to create flowing and tighter curves, HI-MACS® Ultra-Thermoforming really pushes the boundaries in solid surface design, offering designers, specifiers and architects 30% more thermoplastic capabilities, allowing for extreme shaping and endless possibilities with more accentuated curves without compromise, making it perfect for commercial and retail sectors.

Infinite Design Possibilities

Thanks to its large colour pallet, thermoforming, inconspicuous jointing and translucent properties, HI-MACS® provides a limitless range of possibilities for even the most ambitious designs

Hygienic

All HI-MACS® products are manufactured in accordance with the ISO-9001 Quality Process for Systems. HI-MACS® has a non-porous surface with antibacterial properties and is safe for food preparation. It is approved for commercial food service, medical facilities, schools, hospitality and other areas where hygiene is essential

Fire Performance

HI-MACS® is ideal for places where security is the number one criteria of choice. HI-MACS® has a Group Classification Number – 3 and is tested in accordance to AS 5637.1-2015



Office & Retail Space

With the variety of colours and unique texture. In addition, with a range of cool, calming colours and the ability to realise varied shapes, the material is perfect to enhance the space of an office or retail with sophistication and interior design.



HypoVereinsbank-Tower ▶
 Location: Munich, Germany
 Design: HENN GmbH Munich, Germany, henn.com
 HI-MACS® Supplier: Klöpfer Surfaces, Germany
 Material: HI-MACS® Alpine White



Showroom ALV ▲
 Location: Milan, Italy
 Fabrication: Flusso, Facchinetti Group
 Material: HI-MACS® Ivory White (Not available in New Zealand)



Dutch Health Ministry ▲
 Location: The Hague, Netherlands
 Design: architectenbureau cepezed bv Delft, Netherlands, cepezed.nl
 Fabrication: Van Der Plas Meubel & Project BV, Netherlands, vanderplas.biz – Baars & Bloemhoff, Netherlands, baarsbloemhoff.nl
 Material: HI-MACS® Alpine White

Outstanding design that does not compromise in terms of functionality. That's HI-MACS®. The demands on any material and the standards of quality are challenging in places where people meet up every day. Modern offices communicate the attitude of an organisation and are living space and inspiration at the same time.



Hennes & Mauritz ▶
 Location: Barcelona, Spain
 Design: Studio Mariscal
 Fabricator: Dula
 Material: HI-MACS® Alpine White, Orange (Orange not available in New Zealand)

Healthcare

HI-MACS® features seamless application, which can be especially useful for facilities such as hospitals. The seamless application ensures easy maintenance, free from being affected by dust or dirt, and non-porous surface allows no bacteria to survive, which makes the material environmentally friendly.

**UCSD Medical Center
Headwall** ▼
Location: San Diego, CA
Design: Cannon Design,
Shield Casework, Modular Services
Fabrication: Shield Casework
Color: Alpine White



Cleanliness and sterility is paramount in hospitals and laboratories and any materials used should also meet the strictest standards. HI-MACS's internationally certified resistance to dirt, viruses, bacteria and numerous chemicals make it the first material of choice in the health care sector.

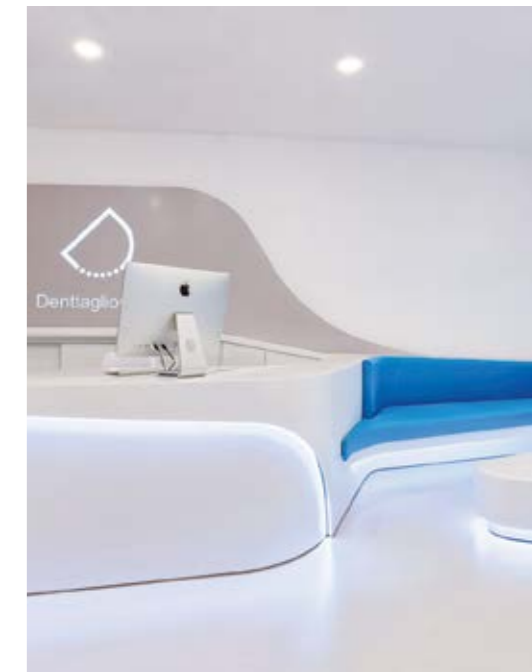


Enhance Dental Group ◀
Application: Reception Counter
Project: Enhance Dental Group
Location: Brisbane, Australia
Design: Harry Poulos
Fabrication: Aspen Cabinets
Material: HI-MACS® Crystal Biege

**UCSD Medical Center
Headwall** ▶
Location: San Diego, CA
Design: Cannon Design,
Shield Casework, Modular Services
Fabrication: Shield Casework
Color: Alpine White



Denttaglio Clinic ▼
Location: Bucharest, Romania
Design: Atvanguard Design Team, Romania,
atvanguard.ro
Fabrication: Atvanguard, Romania, atvanguard.ro
Material: HI-MACS® Alpine White



Public & Hotel

Depending on application of various colours, HI-MACS® creates an attractive, unique atmosphere in harmony with the surrounding space, which is highly valued especially for public facilities and hotels that require a high level of sophistication and reliability. The material can be used for a variety of space design without disturbing the harmony with other materials in the space.

New Tourist Information Center ▼

Location Casa de la Panadería, Plaza Mayor in Madrid

Architects: Jose Manuel Sanz, Irene Brea, Leticia Llansó, Jaime Sanz de Haro, Luisa Santamaría

Collaborators: FRADE Arquitectos (Project stage)

Construction company: Edhinor

Materials: HI-MACS® Alpine White, Opal

Photographer: Jesús Granada



Novotel Madrid Center ▶

Location: Madrid, Spain

Design: International Hospitality Projects (IHP), Spain, ihp-group.com

Material: HI-MACS® Alpine White



Bar Main Palais ▼

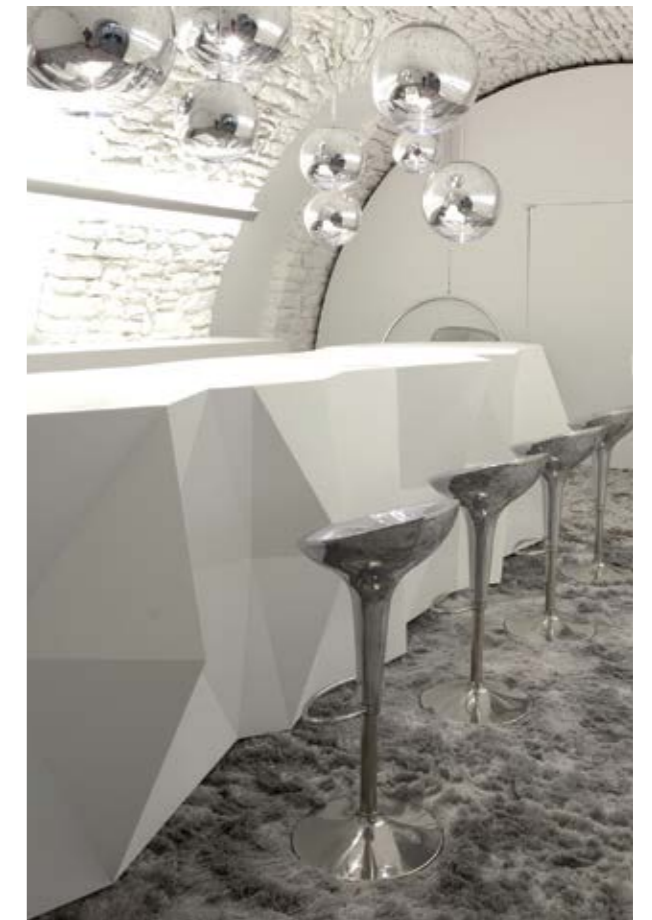
Location: Frankfurt am Main, Germany

Design : PurPur GmbH

Fabrication: Paul Schad Tischlerei GmbH, schad-trier.de

HI-MACS® supplier: Klöpfer Surfaces, Germany

Material: HI-MACS® Alpine White



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 early childhood education centres, schools, universities and other institutions. Many experts are in agreement that HI-MACS® educational materials are the best on the market.

Newcastle University ▼
 Location: Newcastle, United Kingdom
 Design: FaulknerBrowns Architects
 Fabrication: Multi-Surface Fabrications Ltd
 Material: Nordic White, Cima, Black (Not available in New Zealand)
 Photo credit: John Watson and Cadzow Pelosi



Kindergarten ◀
 Location: Cadepezzo, Switzerland
 Design: Herrmann Flavio, Switzerland
 Fabrication: IL Falegname Fabrizio Sagl, Switzerland, ifalegname.ch
 HI-MACS® supplier: klausler acrylstein ag, Switzerland
 Material: HI-MACS® Alpine White, Sky Blue, Banana, Light Green, Sapphire, Ruby, Emerald (Not all decors available in New Zealand)

Newcastle University ▼
 Location: Newcastle, United Kingdom
 Design: FaulknerBrowns Architects
 Fabrication: Multi-Surface Fabrications Ltd
 Material: Nordic White, Cima, Black (Not available in New Zealand)
 Photo credit: John Watson and Cadzow Pelosi



Ashton 6th Form College ▶
 Location: Ashton, UK
 Design: GA Studio, UK, gastudio.co.uk
 Fabrication: Lomax interiors, UK, lomaxinteriors.com
 HI-MACS® Supplier: James Latham Plc
 Material: HI-MACS® Midnight Grey (Not available in New Zealand)



Furniture & Object

HI-MACS® comes in a variety of shapes and colours to support a user's creativity. Not only mass-production but customised production in small quantities is available. The seamless assembly contributes to perfect realisation of delicate objects.



Tulip ◀
 Location: Toulouse, France
 Design: Pierre Cabrera – design Studio, France, pierre-cabrera.fr
 Fabrication: Pierre Cabrera, France, pierre-cabrera.fr
 HI-MACS® supplier: Planacryl, France
 Material: HI-MACS® Opal



Scape Monolith ▶
 Design: Misha Belyaev, mishabelyaev.com
 Fabrication: Karat llc
 Material: HI-MACS® Opal



BURMEISTER AUDIOSYSTEM ◀
 Developer: Jens Burmeister & FH Potsdam
 Designer: Raphael Singer, Jim M. Görtz, Jens Burmeister
 Manufacturer: BAS Burmeister Audio Systeme
 Fabricator: Adolf Kuhlmann GmbH & Co.KG Einrichtungswerkstätten
 Material: HI-MACS®
 Photos: Martin Eckert - Application Engineer BAS

Whether it is used for a hexagonal table with internal lighting, honeycomb-shaped shelving, engraved counters or thermoformed seating, HI-MACS® provides limitless design options. Its versatility produces furniture creations that could otherwise not be achieved using conventional materials.

Goldenice ▼
 Design: Bruno Fattorini & Partners
 Fabrication: Gruppo Industriale Busnelli Spa, Italy
 Material: HI-MACS® Alpine white 9mm
 Photo credit: Studio Eye



Living Space

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.

Flatiron House ▼

Location: London, United Kingdom
Design: FORMstudio, United Kingdom, formstudio.co.uk
Fabrication: Solid Fabrications, United Kingdom, solidfabrications.co.uk
HI-MACS® supplier: James Latham Plc, UK
Material: HI-MACS® Alpine White

Canal House ▼

Location: Lauriergracht, Amsterdam, the Netherlands
Design: Witteveen Architecten, www.witteveenarchitecten.nl
Manufacture: Houtwerk BV. (Member of the HIMACS Quality Club) www.houtwerk.nl
HI-MACS® distributor: Baars & Bloemhoff, the Netherlands
Material: HI-MACS® S28 Alpine White (3 and 12 mm) for the walls
Photographer: ©Herman van Heusden



Fort Asperen ◀

Location: Acquoy, The Netherlands
Design: Bureau SLA, The Netherlands, bureausla.nl
HI-MACS® supplier: Baars & Bloemhoff, The Netherlands
Material: HI-MACS® Alpine White



HI-MACS® inspires in the kitchen



HI-MACS® is hard wearing and resistant

- HI-MACS® is 100% water-resistant
- HI-MACS® is resistant to most commercial household chemicals, and everyday stains such as fruit acid or red wine
- HI-MACS® is scuff-resistant and can be repaired in the event of small scratches – without the need to call in a tradesperson

HI-MACS® is very easy to clean

- HI-MACS® can be cleaned using a moist cloth and detergent, removing almost all dirt without leaving any residue
- HI-MACS® is hygienic and is fabricated without the need for visible joints, preventing germs, bacteria and pathogens accumulating in the first place
- HI-MACS® offers a wide range of sinks and individual bowls, which can also be seamlessly integrated with the benchtop

HI-MACS® looks fantastic

- HI-MACS® has a natural matte or satin finish, which can be specified prior to manufacture
- HI-MACS® offers a broad selection of attractive shades
- Elegant solid colours in classic shades and new trend colours, added every year – as well as many natural stone designs
- HI-MACS® can be machined just like hardwood or three dimensionally moulded, and also offers the option of creating spectacular lighting effects using rear-milled cut-outs

Everything leads to the use of HI-MACS® in the bathroom



HI-MACS® is easy to use and permanent

- HI-MACS® is 100% water-resistant
- HI-MACS® is resistant to most all commercially available household chemicals
- HI-MACS® is scuff-resistant and can be repaired in the event of small scratches – without the need to call in a tradesperson

HI-MACS® is very easy to clean

- HI-MACS® can be cleaned using a moist cloth and commercial detergent, removing almost all dirt without leaving any residue
- HI-MACS® is hygienic and is fabricated without the need for visible joints, preventing the build-up of germs, bacteria and pathogens
- HI-MACS® offers a wide range of round, angled or oval washbasins, which can also be ultra-hygienically and seamlessly integrated or installed as fashionable top-mounted bowls. Custom made basins can be seamlessly integrated into the work surface

HI-MACS® looks amazing

- HI-MACS® has a matte or satin finish with an extremely pleasant feel: as if designed specifically for bathrooms – which can be specified prior to manufacture
- HI-MACS® offers a generous selection of attractive shades: countless elegant shades of white and more solid colours in classic shades and new trend colours, added every year
- HI-MACS® can be three-dimensionally moulded, offering the option of creating spectacular lighting effects using rear-milled cut-outs

HI-MACS® Outdoor

Materials used outside are exposed to the weather all year round. This means exposure to sun and rain, snow and ice, a lot 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.



Frankfurt Airport Terminal 1 / Design 3deluxe transdisciplinary design, Germany, 3deluxe.de / Fabrication Georg Ackermann GmbH, Germany, ackermannghb.de

Outdoor Applications

HI-MACS® is suitable for outdoor application for certain colours. These are resistant to UV radiation which surpasses that of any other solid surface

Easy Thermoforming

Organic-curved, three-dimensional facade architecture thanks to the thermal moulding capacity of the material.

Advantageous Outdoor Properties

The HI-MACS® range withstands humidity, UV radiation or variations in temperature thanks to homogeneous, non-porous material and other advantageous properties



Inspiration Gallery

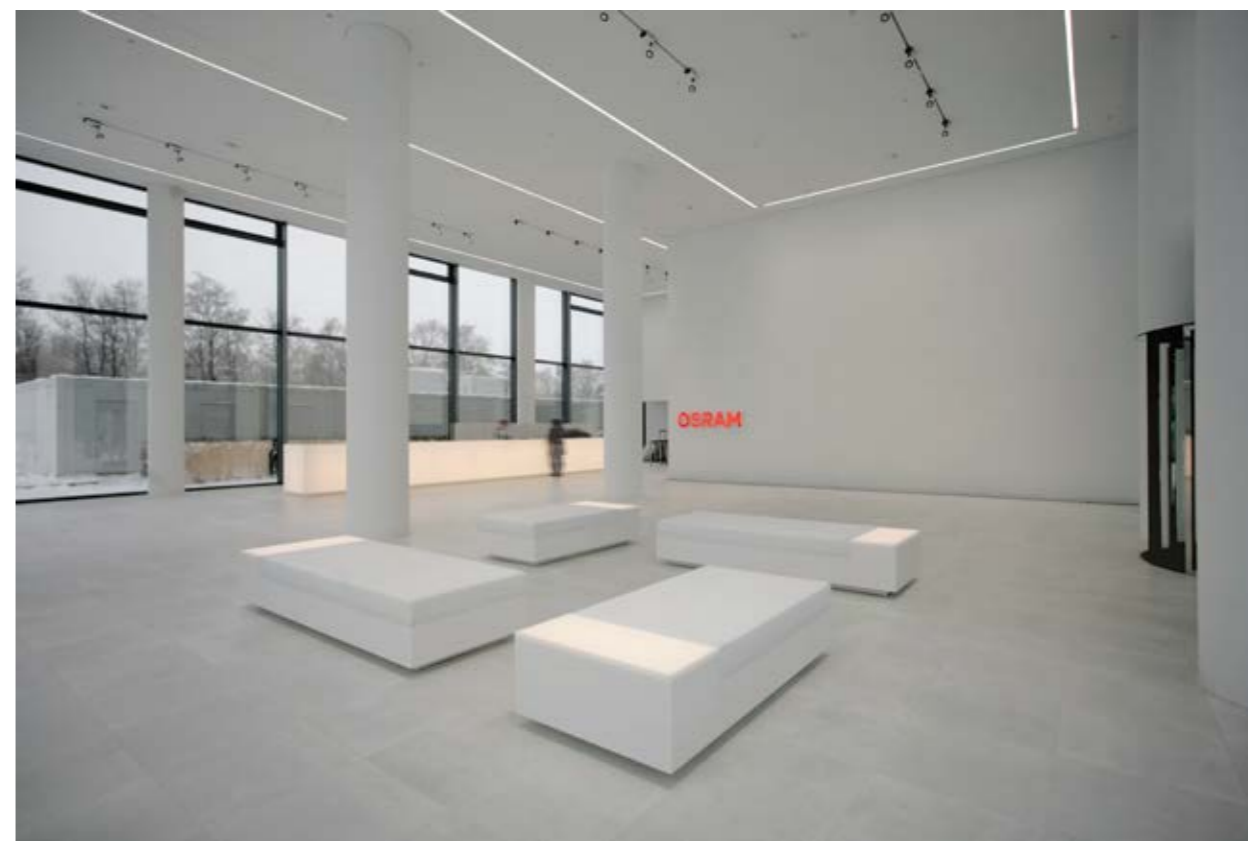
The ultimate in art is to serve as an inspiration to others.

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.



S028 ALPINE WHITE

A sculptural staircase in HI-MACS® / Design Ilaria Mosso / **Fabrication** Simone Piva / **Photo credit** ©Francesca Bottazzin



S302 OPAL

HI-MACS® enlightens the OSRAM Headquarters in Munich / Design Brune Architekten BDA, Germany / **Fabrication** Hommel Manufaktur GmbH, Reichenbach / **Photo credit** ©Daniela Hommel



S028 ALPINE WHITE / S302 OPAL

HI-MACS®: Redesign of the Tourist Office at Plaza Mayor in Madrid / Design Jose Manuel Sanz Arquitectos / Fabrication Maderama carpintería, Spain / Photo credit © Jesús Granada



S006 ARCTIC WHITE



Atlas Swimming pool / Design Yoonseux Architects, France / Engineering ETHA / Fabrication ASKA Interior, France / Photo credit ©Alexandra Mocanu



S028 ALPINE WHITE

HI-MACS® for Augeo Art Space / Design Yasmine Mahmoudieh, Studio Mahmoudieh / Engineering Technical consultancy: Studio Cumo Mori Roversi / Fabrication Dform Srl, Italy / Photo credit Riccardo Gallini / Others Commissioned by: Sergio Antolini and Matteo Sormani



S028 ALPINE WHITE

Reuters / Design 16k architects, France / Fabrication Stone Steel & Wood (2SW) / Photo credit 2SW



S028 ALPINE WHITE

TrickShot Promenada Shopping Center / Design Sebastian Mindroui, Pick Two / Fabrication Atvanguard / Photo credit Stelian Popa



S028 ALPINE WHITE

Vintage and Avant-Garde : Air / Design Air designed by DeVOL kitchens / Photo credit Tim Cooper





G101 CRYSTAL BEIGE

"Le Baou": A contemporary island in HI-MACS® / Design Charlotte Raynaud / Fabrication Felix Hegenbart SARL / Photo credit © Denis Dalmasso / Others Distributor : Mobistrat



S028 ALPINE WHITE

Richard Rogers House in Wimbledon / Design Renovation Project Architect: Gumuchdjan Architects / Fabrication Solidity / Photo credit Petr Krejčí

Sinks and Basins

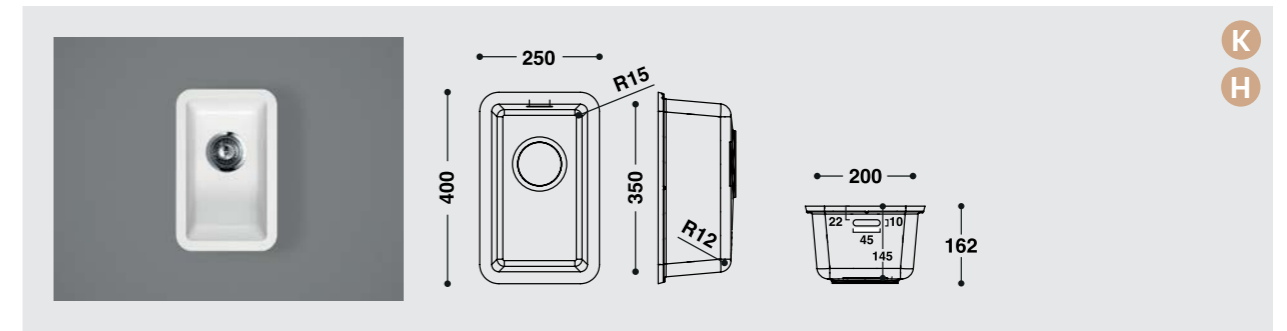
Creative designers have every option at their disposal to create washrooms, kitchens, hospitals and much more with a range of HI-MACS® basins and sinks.

Spaciousness, durability and hygiene are all key quality features when choosing a sink or basin. The top quality models in the HI-MACS® range offer it all.

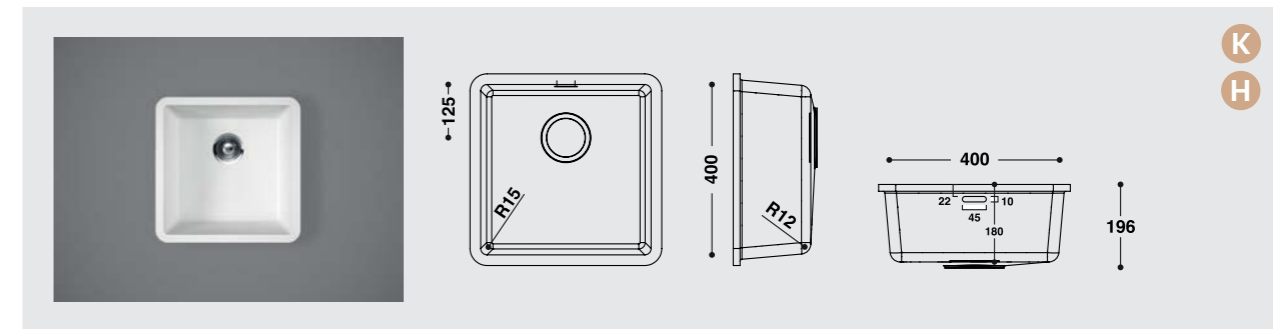


SINKS

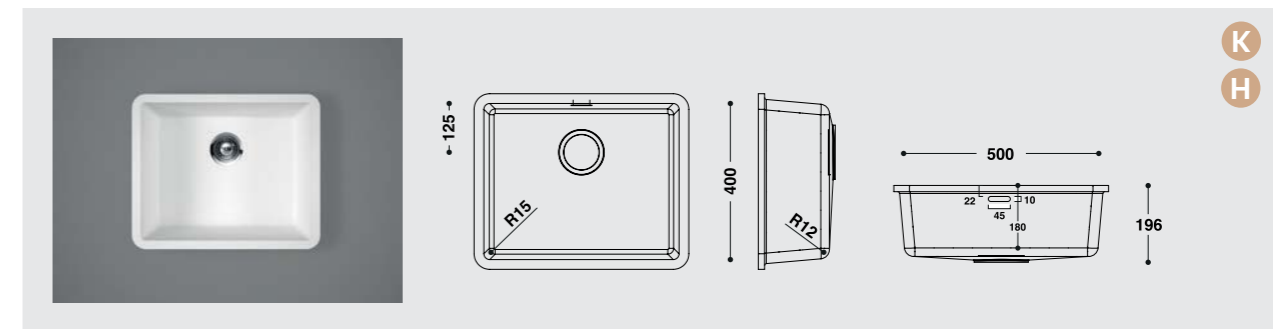
HI-MACS® Sinks are available in Alpine White S028.



CS204



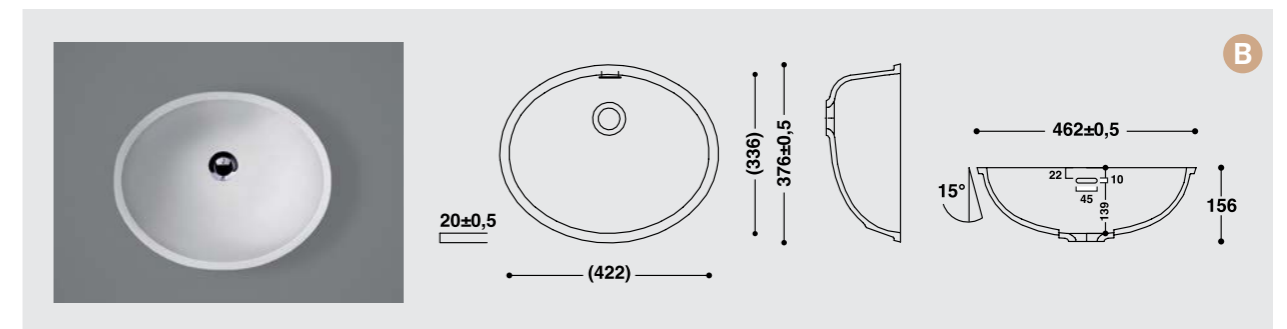
CS404



CS504

BASIN

HI-MACS® Basins are available in Alpine White S028.



CB422

H suitable for healthcare

K suitable for kitchen

B suitable for bathroom

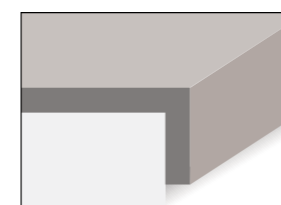
Straight, curved, rectangular, baroque ...any shape you can imagine

Fine culinary artistry is celebrated in the kitchen.

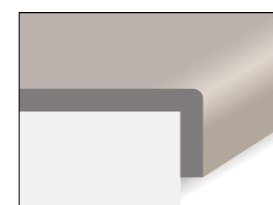
When it comes to handling high-quality foods and top kitchen equipment, the requirements in terms of functionality, durability, robustness, as well as aesthetics and comfort, HI-MACS® is the perfect choice.



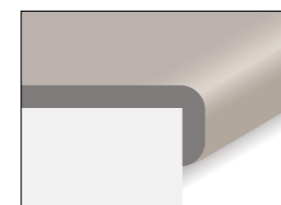
EDGE PROFILE EXAMPLES



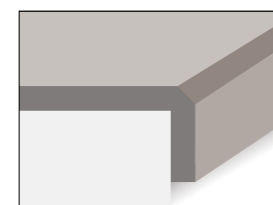
Square



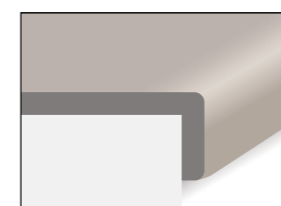
Single pencil round



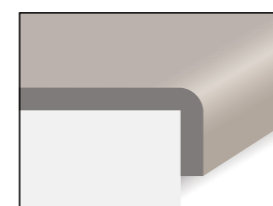
Double round



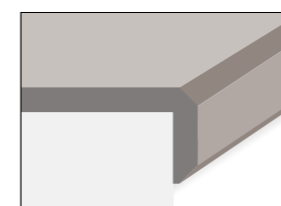
Single bevel



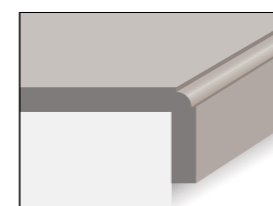
Double pencil round



Single round



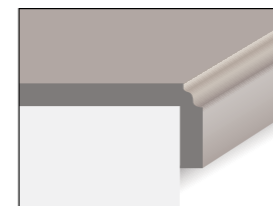
Double bevel



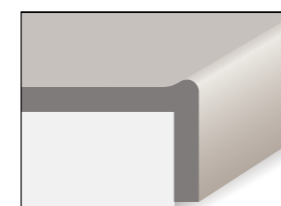
Single ovolo



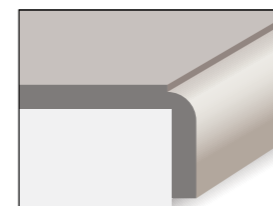
Bull-nose



Cyma reversed

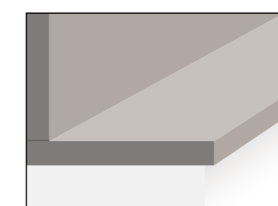


Waterfall edge

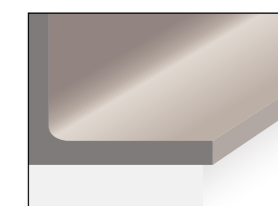


Single imperial

SPLASHBACKS

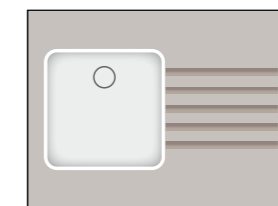


Square upstand

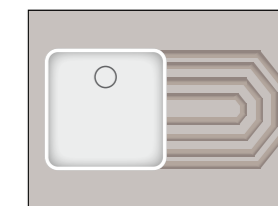


Coved upstand

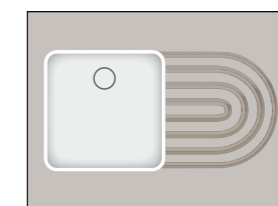
DRAINER GROOVE EXAMPLES



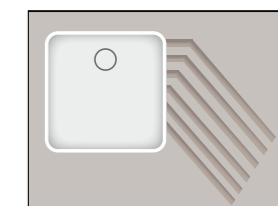
Straight grooves



Faceted



Curved



Oblique

Care and Maintenance

HI-MACS® is hard-wearing, durable and extremely resistant to stains and is therefore very easy to look after. Below are a few simple tips and hints for caring for HI-MACS® to help maintain its exceptional quality for many years to come.

GENERAL DAY-TO-DAY STAINS

HI-MACS® is a completely homogeneous material. As it does not have any pores, you can simply and easily clean it with a damp cloth or sponge and a mild detergent. You can also use a domestic mild abrasive cleaner on all matte finishes. It is useful to wipe your surface occasionally with a mild abrasive cleaner or scouring agent to retain the even finish of your product

TOUGHER STAINS

Tougher stains, caused by food colouring, tea or fruit juice can easily be removed using a bleaching agent (do not leave in contact with the work surface for more than five minutes). Clean the surface with a domestic all-purpose cleaner and rinse with clean water. You can also use a scouring agent on matte finishes. Nail varnish can easily be removed with nail varnish remover (acetone-free) or a scouring agent

BURN MARKS

Small burn marks can simply be removed using a scouring agent or an abrasive sponge. Consult your fabricator if the marks remain

ACIDIC CLEANING AGENTS

A number of cleaning agents like oven cleaner contain acids, such as methyl chloride. You should avoid using these on a HI-MACS® surface. Should one of these products accidentally come into contact with the material, as a precautionary measure you should rinse the surface with soapy water to prevent any discolouring taking place

HOT OBJECTS AND BOILING WATER

Hot saucepans or pots straight out of the oven or from the hob should not be laid directly on the HI-MACS® surface. Place a mat or board underneath to prevent any damage to your product. If you pour boiling liquids into HI-MACS® sinks or basins, you should also pour in cold water at the same time. This also applies to the use of boiling water taps

SHARP OBJECTS

HI-MACS® copes effortlessly with the wear and tear of everyday life, however pointed or sharp-edged objects can leave cuts or scratches on the HI-MACS® surface. You can repair smaller cuts and scratches without too much trouble but we recommend the services of a professional for especially deep cuts



Specification

SHEET SPECIFICATION

Sheet thickness in mm	Sheet width in mm	Sheet length in mm	m ² /Sheet	kg/Sheet		kg/m ²	
				Solid	Granite	Solid	Granite
6	760	2,490	1.89	19.9	19.3	10.5	10.2
12	760	3,680	2.80	58.7	57.1	20.9	20.4
20	760	3,680	2.80	79.8	77.5	28.5	27.7

FEATURES

- Wide range of color and pattern choices
- Stain and chemical resistance
- Non-porous structure
- Effortless fabrication and seamless installation

APPLICATIONS

- Kitchen tops
- Vanity tops
- Wall decorations
- Laboratory tables
- Working tables
- Office desks
- Commercial interiors

CHEMICAL RESISTANCE

According to DIN 68861 & KIN 68930 Tab. 1

Test material	Assessment	Assessment
G25 defects	S06 defects	
Acetic acid (vinegar)	no effect	no effect
Citric acid (lemon)	no effect	no effect
Natrium carbonate	no effect	no effect
Ammoniac water	no effect	no effect
Ethyl alcohol	no effect	no effect
White/Red/South wine	no effect	no effect
Beer	no effect	no effect
Cola-drinks	no effect	no effect
Instant coffee	no effect	no effect
Black tea	no effect	no effect
Blackcurrant juice	no effect	no effect
Cream	no effect	no effect
Water	no effect	no effect
Benzine	no effect	no effect
Acetone	3	3
Ethyl-butyl acetate	3	3
Butter	no effect	no effect
Olive oil	no effect	no effect
Mustard	no effect	no effect
Salt	no effect	no effect
Onion	no effect	no effect
Lipstick	no effect	no effect
Disinfectant	no effect	no effect
Black ballpoint	2-3	2-3
Stamping ink	1	1
Household cleaner	no effect	no effect
Cleaning agent	no effect	no effect
Use group according to DIN 68861	1B	1B
Assessment according to DIN 68930 Tab.1		
Other work top spaces: use group : 1C		Fulfill of requirements+

SPECIFICATION DATA SHEET

Specification	Unit	Results		Test method
		Solid	Granite	
Density	lbs / in	0.063	0.06	ASTM D 792
Specific gravity	-	1.75	1.75	ASTM D 792
Thermal expansion	m / m / °C	35.0X10 ⁶	33.0X10 ⁶	ASTM D 696
	X106 in / in / F	1.20	1.10	ASTM D 696
Expansion	mm	<0.05	<0.05	DIN 318
Tensile strength	kg / cm	390	390	ASTM D 638
Flexural strength	kg / cm	790	790	ASTM D 790
Hardness rockwell	-	90	88	ASTM D 785
Barcol	-	63	61	ASTM D 785
Pencil	H	5	5	KSD 6711
Izod impact notched strength (ball drop)	kgXcm / cm	1.50	1.50	ASTM D 256
	6mm % , 23°C	0.05	0.05	ASTM D 570
	12mm in / 1lbs	47.20	43.30	NEMA-LDI-2.15
(with impact test apparatus)	12mm mm	<1,400	<1,400	DIN EN 438, part 2, pt.12, '92
	12mm N	25	25	DIN EN 438, part 2, pt.11, '92
Water absorption	6mm % , 23°C	0.05	0.05	ASTM D 570
	12mm 24hrs	0.04	0.05	ASTM D 570
Slippery resistance	-	>0.32-0.9	>0.32-0.9	GMG 100(replaces R9)
Climate change resistance	°C	positive	positive	AMK
Heat distortion temperature	°F	203-221	203-221	ASTM D 648
	°C	95-105	95-105	-
Dry heat (pan bottom)	°C	≤100	≤100	DIN 68 861, part 7, 04-'85
Wet heat (pan bottom)	°C	7A	7A	DIN 68 861, part 8, 04-'85
Cigarette burn resistance	-	6C	6B	DIN 68 861, part 6, 04-'85
Chemical impact	-	1B	1B	DIN 68 861, part 1, 12-'81
Scratch resistance	-	4D	4B	DIN 68 861, part 4, 11-'81
Stain recovery	%	98	98	KS F 4810-1986
Electrostatic	> 1X1012Ω	insulating	insulating	DIN IEC 1340-4-1, 04-'92
Weather resistance	ΔE	no change	no change	ASTM D 1499
	(1,000hrs)	-	-	-
Xenon (light resistance)	-	better than 6	better than 6	DIN 53 387, 04-'89
Hygienic	-	suitable	suitable	DIN 53 387, 04-'89
Food contact	-	suitable for all colors		LMBG §31 Food
	-	available in 2003		contact safety
Fire Properties	-	Group Classification		AS 5637.1-2015
			Number – 3	

HI-MACS® Colour Range

SOLIDS

Product #	Colour	Colour Code	Adhesive Code/Colour	Sub-Category	Price Group
3680 x 760 x 12mm					
991498	Alpine White	S028	H16 - Alpine White	Solids	\$\$
991499	Arctic White	S006	H02 - Arctic White	Solids	\$\$
991500	Diamond White	S034	H113 - Diamond White	Solids	\$\$
991506	Opal	S302	T02 - Opal	Lucent	\$\$\$
991507	Ruby	S304	T04 - White	Lucent	\$\$\$
2490 x 760 x 6mm					
991496	Alpine White	S028	H16 - Alpine White	Solids	\$
3680 x 760 x 20mm					
991540	Alpine White	S028	H16 - Alpine White	Solids	\$\$\$

ULTRA SERIES

Product #	Colour	Colour Code	Adhesive Code/Colour	Sub-Category	Price Group
3680 x 760 x 12mm					
993053	Ultra Alpine White	S928U	H16 - Alpine White	Ultra Series	\$\$\$\$
991544	Intense Ultra Black	S922U	H134 - Intense Black	Ultra Series	\$\$\$\$

GRANITE

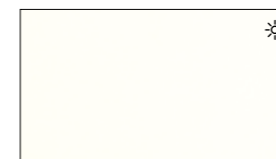
Product #	Colour	Colour Code	Adhesive Code/Colour	Sub-Category	Price Group
3680 x 760 x 12mm					
991508	Arctic Granite	G034	H36 - Silver	Granite	\$\$\$
991525	Candy White	G235	H24 - Candy White	Granite	\$\$\$
991528	Corona	G110	H36 - Silver	Granite	\$\$\$
991529	Crystal Beige	G101	H01 - Satin White	Granite	\$\$\$
991538	Whinstone	G115	H63 - Whinstone	Granite	\$\$\$
991539	White Quartz	G004	H36 - Silver	Granite	\$\$\$
991522	Steel Concrete	G555	H114 - Pantheon	Concrete	\$\$\$
991547	Gemini	VW01	H36 - Silver	Volcanics	\$\$\$

MARBLE

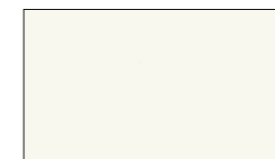
Product #	Colour	Colour Code	Adhesive Code/Colour	Sub-Category	Price Group
3680 x 760 x 12mm					
991621	Laviano	M426	H03 - Gray	Marmo	\$\$\$\$
991620	Passo	M421	H36 - Silver	Marmo	\$\$\$\$
991556	Ancona	M423	H123 - Semi Trans	Marmo	\$\$\$\$
991551	Aurora Bianco	M606	H02 - Arctic White	Marmo	\$\$\$\$
991622	Aurora Grey	M608	H139 - Aurora Gray	Marmo	\$\$\$\$
991553	Aurora Pavia	M603	H21 - Perna White	Marmo	\$\$\$\$
991555	Aurora Sanremo	M605	H35 - Dark	Marmo	\$\$\$\$
991554	Aurora Torano	M601	H02 - Arctic White	Marmo	\$\$\$\$
991550	Andromeda	T017	H16 - Alpine White	Aster	\$\$\$

To give the appearance and beauty of a natural marble effect, these colours have a random pattern. It is important to follow the Marmo fabrication guide for the joining process when fabricating. The guide can be found at www.himacs.co.nz/fabrication-manual

SOLID



S028 Alpine White



S006 Arctic White



S034 Diamond White

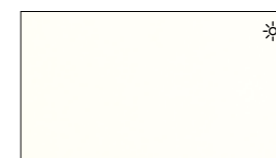


S302 Opal



S304 Ruby

ULTRA SERIES

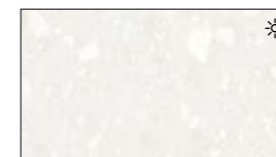


S928U Ultra Alpine White



S922U Intense Ultra Black

GRANITE



G034 Arctic Granite



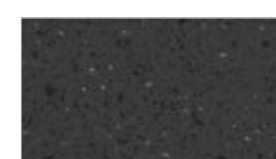
G235 Candy White



G110 Corona



G101 Crystal Beige



G115 Whinstone



G004 White Quartz

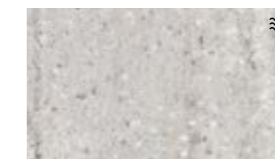


G555 Steel Concrete



VW01 Gemini

MARBLE



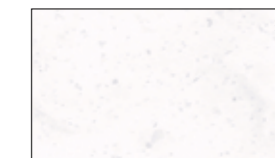
M426 Laviano



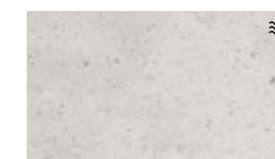
M421 Passo



M423 Ancona



M606 Aurora Bianco



M608 Aurora Grey



M603 Aurora Pavia



M605 Aurora Sanremo



M601 Aurora Torano



T017 Andromeda

- ★ Darker and more heavily pigmented colours will show dust, scratches, haziness, marks left by hard water and other ordinary wear. Extra care is needed for high wear applications such as benchtops
- ☀ Suitable for exterior use. Please check conditions about level of suitability and warranty per colour
- # Shows less scratches, dust, marks and whitening compared to the standard black and greys and other dark colours offered or in the market, as well as improved thermoforming capabilities
- ≈ As Marmo is a randomly veined product, specific fabrication guidelines need to be followed. Ask our sales representative for more information
- 💡 Lucent colours have a higher level of translucency, more evident when combined with light source
- 💡 Colours with this mark have a semi-translucent effect, evident when combined with light sources

Finish:
There may be some slight variation in colour between the illustrated and the sample due to printing techniques, colour may vary slightly from the sample.



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Cover image: HI-MACS® M606 Aurora Bianco

The information contained in this brochure is intended to be for information only and can be amended at any time without prior notification.

We always recommend making final colour selection from an actual sample and full slab image as the colours in this brochure are only as close as modern printing methods allow. Like all materials dark colours show marks and smears more readily than light colours.

 **LG Hausys**
Authorised distributor