

# HIMACS

Although HIMACS is almost as robust as stone, it can be worked in the same way as wood. It lends itself to the creation of an endless variety of multi-dimensional forms and much, much more.



# HI·MACS



## 1

### Seven kinds of benefits



Advanced Technology



Unlimited Colour Spectrum



Seamless Perfection



Three Dimensional Design Process



Dramatic Translucency



Hygienic



HIMACS vs Mixed Product

## 2

### Discover more products



HIMACS Ultra-Thermoforming



HIMACS Intense Ultra



HIMACS Exteria®

## 3

Eco-friendly

Quality Service

Extra Features

# HI·MACS



## Advanced Technology

The material is heated in a progressive high temperature hardening process (Thermal Cure), which sets HIMACS apart from other mineral materials and produces a new and stronger compound in which any structural defects are perfectly evened out.

Raiffeisen's flagship, Zurich, Switzerland - Design : NAU Architecture, Drexler Guinand Jauslin Architekten + Rok Rippman Oesterle Knauss (Wallcovering patterns) – Material : HIMACS 12mm Alpine White - Photo credit : ©Jan Bitter- Others : Wallcovering and joinery: Glaeser Baden AG

# What exactly is HIMACS ?



Advanced Technology

## An outstanding material

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



67 % Alumina Trihydrate (ATH) ca.  
30% Acrylic  
3% Natural Pigments



# What exactly is HIMACS ?



Advanced Technology



Stronger surface with durability similar to that of natural stone.

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No matter if it's a scratch, spill or crack, HIMACS can be restored to its original state by a certified professional.

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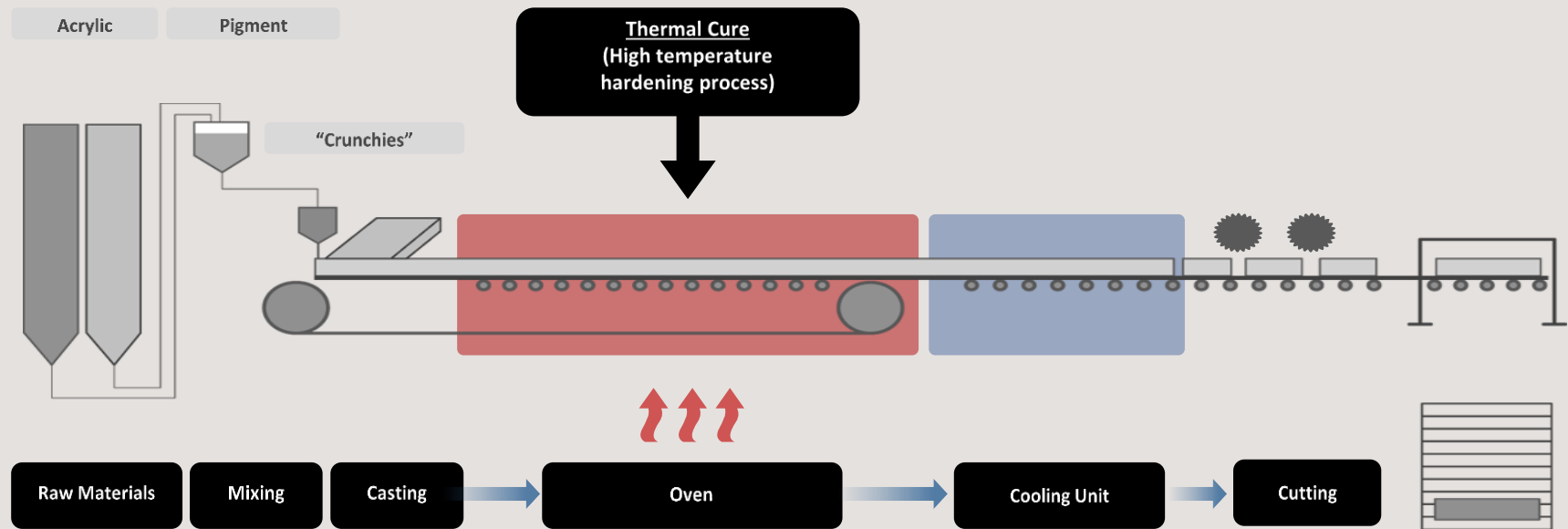
HIMACS is ideal for places where safety is the number 1 criteria of choice.

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Thanks to its non-porous surface HIMACS is suitable for humid areas such as wet rooms and bathrooms.

# Advanced polymer resin technology



# Reduce time, Reduce cost



Advanced Technology

As HIMACS is easy to fabricate, it reduces costs and its high durability allows long usage.

Easy to  
cut

Easy to  
sand

Wide range of  
finishes

Easy  
to maintain





## Naples International Airport, Italy

Designer : Antonio De Martino – Gnosis Architettura, Italy - Fabrication : Ares srl, Italien, aresarredamenti.it - Material : HIMACS, Alpine White –  
Photo credit © Roberto Mango





## Händel House – Halle, Germany

Design: Gerhards & Glucker, Germany – Fabrication: Möbel Damm – Material: HIMACS Arctic White – Photo credit : ©Werner Huthmacher





## Unlimited Colour Spectrum

HIMACS offers a virtually limitless range of colours in all conceivable shades. Colours are key in design. We have whatever colour you want – it's your choice.

Marcel Wanders for LX Hausys at Milan Design Week - Design : Marcel Wanders - Material : HIMACS

# L'Anello Mancante at MAXXI Museum

Michele De Lucchi



Unlimited colour Spectrum



Alpine White

Name: L'Anello Mancante  
Location: MAXXI, Rome  
Design: Michele De Lucchi  
Material: HIMACS Alpine White  
HIMACS distributor: M.A.D.E. srl  
Production structure and installation: Unifor  
Photo Credits: © Musacchio Ianniello courtesy Fondazione MAXXI



# Milan Design Week “Rational and emotional worlds”



Unlimited colour Spectrum

Marcel Wanders



Design : Marcel Wanders  
Material : HIMACS  
Portrait Photo credit : ©Marte Visser  
photography





# Milan Design Week "Sparkle Krib"

Karim Rashid



Unlimited colour Spectrum



Design : Karim Rashid  
Material : HIMACS Sparkle Colours  
Photo credit : Federico Torra Curator: Sung-hee  
PARK

# Hotel Puerta America, Spain

Zaha Hadid



Unlimited colour Spectrum



Design : Zaha Hadid  
Material : HIMACS  
Photo credit : © Rafael Vargas



Alpine White



Black

# Hotel Puerta America, Spain

Ron Arad



Unlimited colour Spectrum



Design : Ron Arad  
Material : HIMACS  
Photo credit : © Rafael Vargas



Alpine White



Fiery Red



# Kindergarten, Switzerland

Herrmann Flavio, Switzerland

Unlimited colour Spectrum



Design: Herrmann Flavio Fabrication: IL  
Falegname Fabrizio Sagl  
Material: HIMACS Alpine White, Sky  
Blue, Banana, Light Green, Sapphire, Ruby,  
Emerald  
Photo Credit : © Claudio Bader



Sky Blue



Sapphire



Banana



Emerald



Ruby



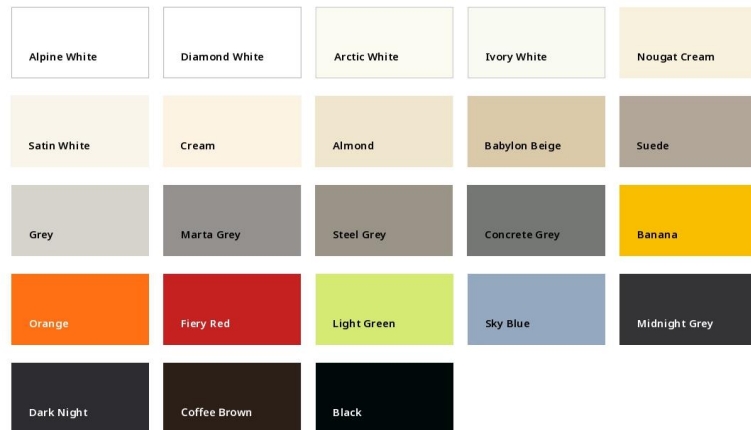
Light Green



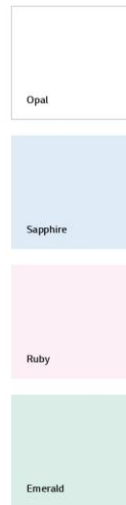
# Colours

Unlimited colour Spectrum

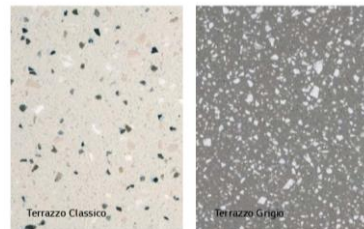
## SOLIDS



## LUCENT



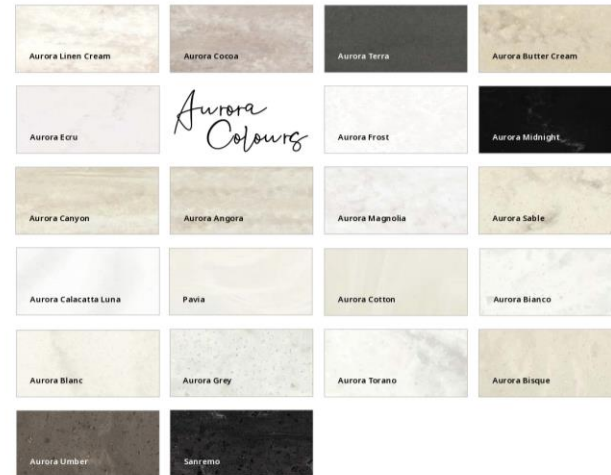
## TERRAZZO



## STRATO



## MARMO - AURORA



# Colours

Unlimited colour Spectrum

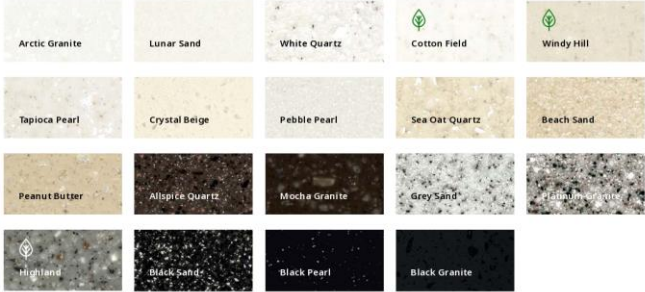
## CONCRETE



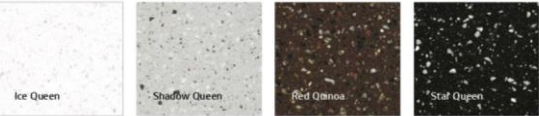
## ASTER



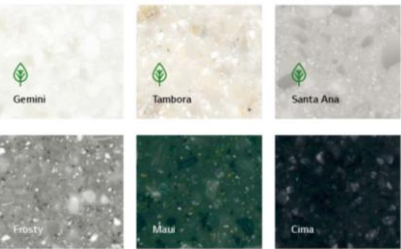
## GRANITE, QUARTZ, SAND & PEARL



## LUCIA

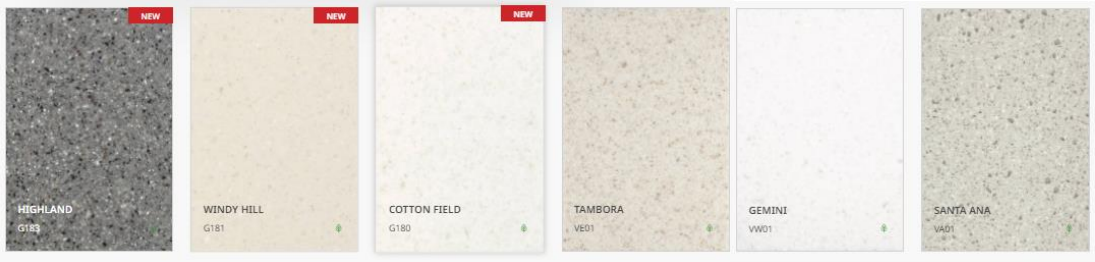


## VOLCANICS



# Recycled Colours

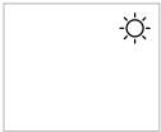
Unlimited colour Spectrum



# Colours – Advanced Series

Unlimited colour Spectrum

## HIMACS-FR



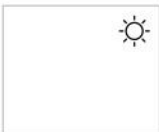
Alpine White  
S728 [12 mm]  
Δ E5

## HIMACS UV+



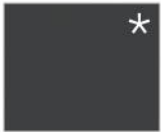
Alpine White  
S828 [12 mm]

## HIMACS ULTRA-THERMOFORMING



Alpine White  
S928 [12 mm]

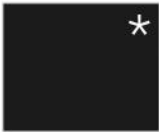
## HIMACS INTENSE ULTRA



Intense Ultra Grey  
S923U [12 mm]



Intense Ultra Dark Grey  
S924U [12 mm]



Intense Ultra Black  
S922U [12 mm]







# HIMACS

## Ultra-Thermoforming

Innovative formula that pushes boundaries of solid surface shaping  
to a whole new level with **30% more thermoplastic capabilities**



### Dimensions – Sheet material

#### Standard Format

Standard formats are available on stock, for specific thicknesses per colour, please refer to the colour chart on page 66, or contact your sales representative.

SHEET THICK- NESS IN MM	SHEET WIDTH IN MM	SHEET LENGTH IN MM
4.5	930	3000 *
	760	2490
6	910	2490 *
	1350	3680 *
9	760	3680
	910	3680 *
12	1350	3680 *
	760	3680
12	910	3680 *
	1350	3000 ***
20	1350	3680 *
	1520	3680 *
20	760	3000

#### Ultra-Thermoforming Format

SHEET THICK- NESS IN MM	SHEET WIDTH IN MM	SHEET LENGTH IN MM
12	760	3680 **
	930	
	1520	

\* Only available in S028 Alpine White.  
\*\* Only available in S928 Alpine White.  
\*\*\* Only available in Opal

### Standard Formats

760 x 2490 mm

910 x 2490 mm

760 x 3000 mm

1350 x 3000 mm

760 x 3680 mm

910 x 3680 mm

930 x 3680 mm

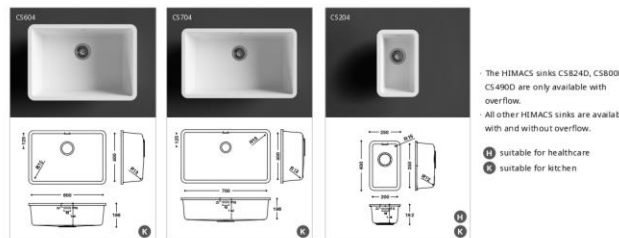
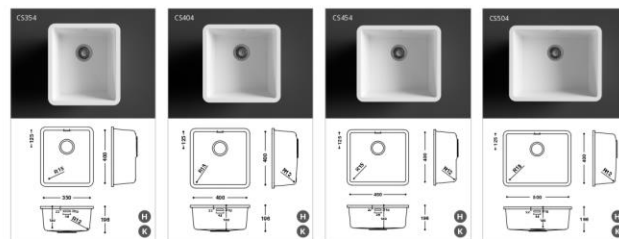
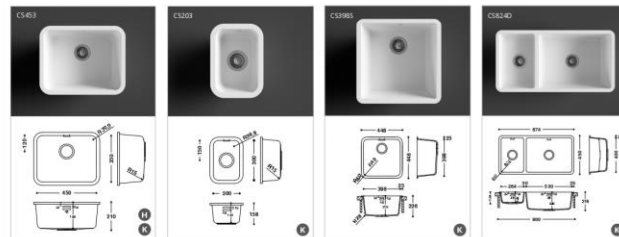
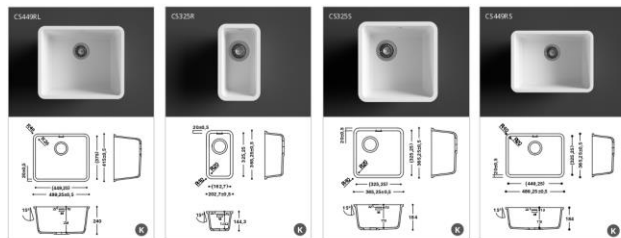
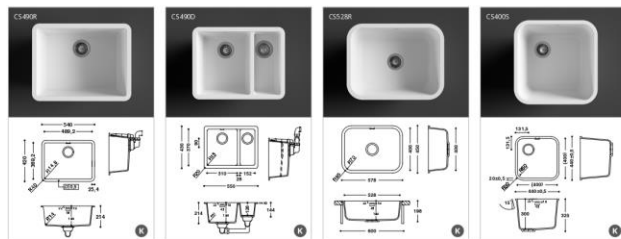
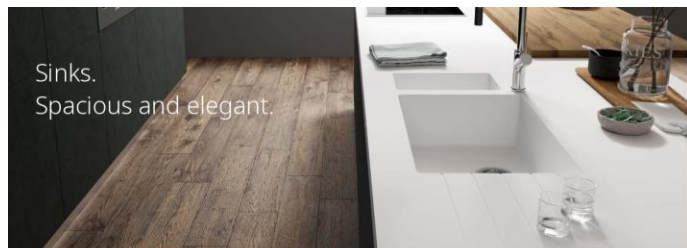
1350 x 3680 mm

1520 x 3680 mm

Size matters – to increase efficiency and reduce offcuts, HIMACS can be supplied in different sheet thicknesses, formats and sizes. Ideal for maximum cutting, minimum wastage and minimal costs.

# Sinks

Sinks Offering



The HIMACS sinks CS8240, CS8000, CS4900 are only available with overflow.

All other HIMACS sinks are available with and without overflow.

① suitable for healthcare  
② suitable for kitchen

# Basins

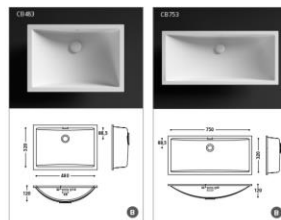
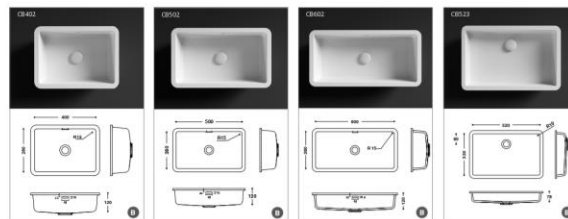
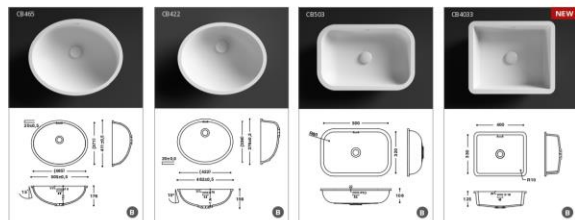
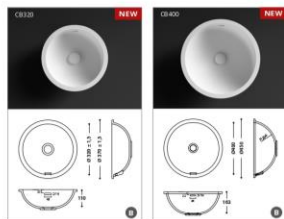
Basins Offering



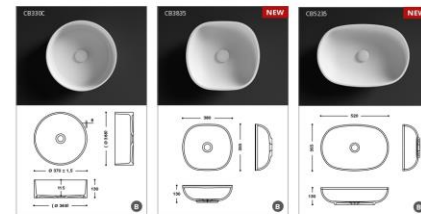
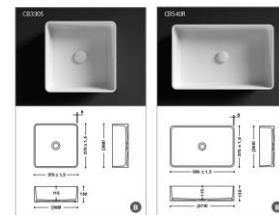
Basins.  
Best design for the bathroom.

HIMACS Basins for the bathroom

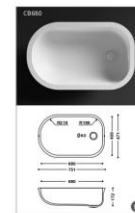
① suitable for bathroom



HIMACS Basins for the bathroom –  
Top mount installation



HIMACS Baby Bath







# **HIMACS** **Baths and Shower Tray** **Collection**

Even more choices from HIMACS  
for a beautifully designed bathroom.



CBT-160-65

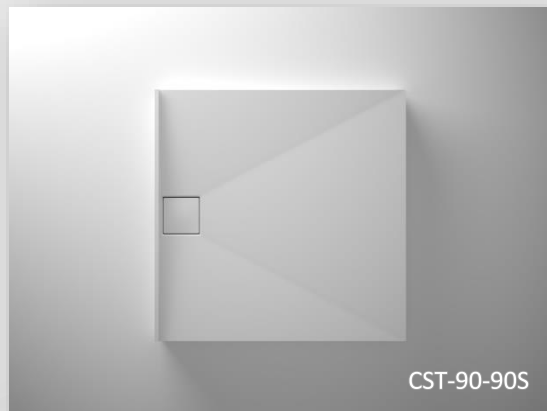


CBT-170-70

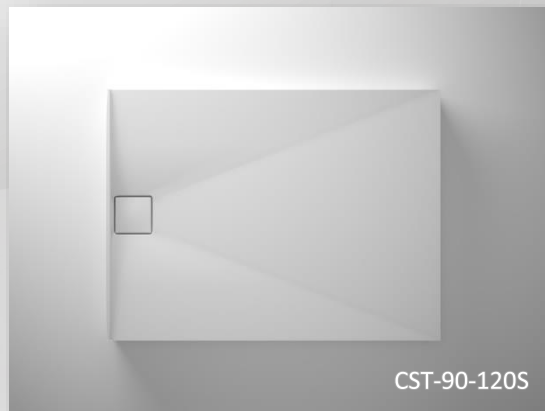
## Baths Collection

**The baths are designed for integrated installation.**

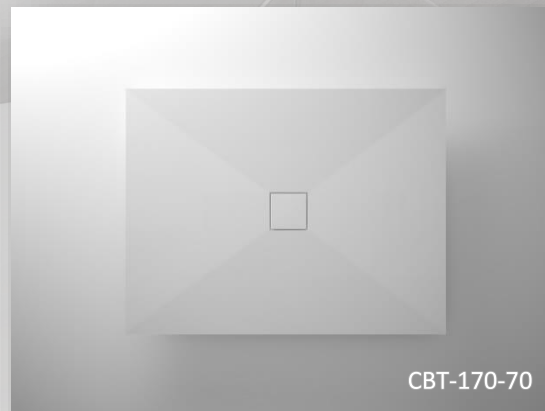
**The bath is enclosed flush-mounted within the panel, so that visually the product is seamless: no visible joins and therefore easy to maintain with hygienic surfaces.**



CST-90-90S



CST-90-120S



CBT-170-70

## New Shower Tray Collection

Three sleek models extend the opportunities to bring the design and functional features of the bathroom to the forefront.



Shower Tray CBT-160-70





Shower Tray CBT-160-65 - Bathtub CST-90-120S





Bathtub CST-90-120S



Shower Tray CBT-160-65



## Seamless Perfection

HIMACS allows for visually seamless manipulation.  
Smooth integration creates large areas without joints  
or edges as well as flush mounting of sinks or bowls.

AUGEO - Design : Yasmine Mahmoudieh - Engineering : Studio Cumo Mori Roversi- Fabrication : Dform Srl, Italy- Material : HIMACS Alpine White - Photo credits : ©Riccardo Gallini

# How to achieve seamless design?



Seamless Perfection

1

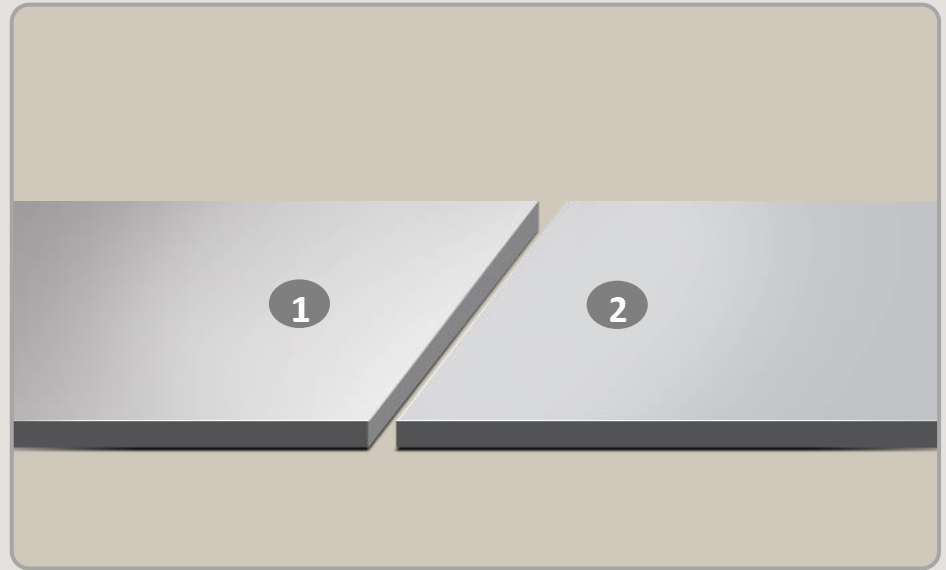
Prepare two pieces of HIMACS

Bond Joint

Clamp the assembly and dry

Sand

Complete seamless fabrication



# How to achieve seamless design?



Seamless Perfection

2

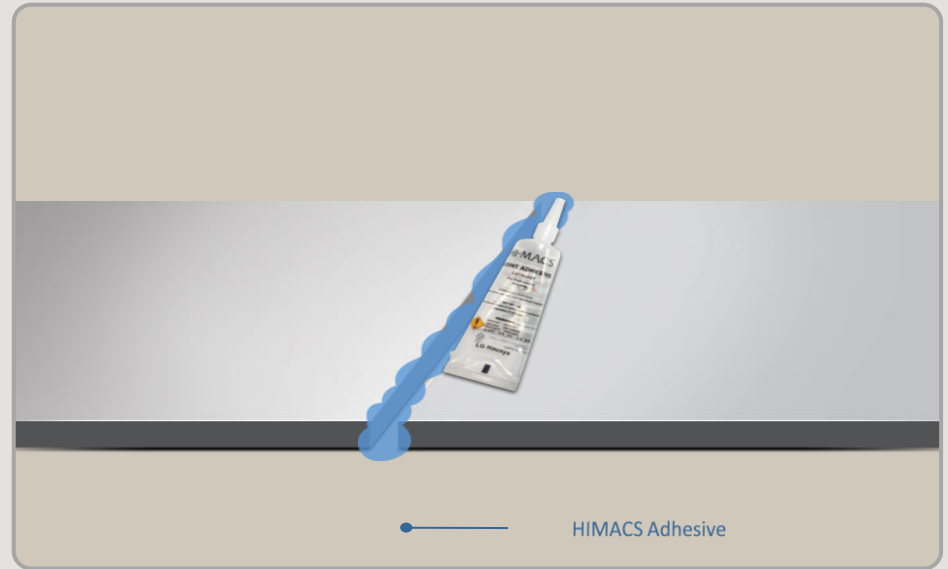
Prepare two pieces of HIMACS

Bond Joint

Clamp the assembly and dry

Sand

Complete seamless fabrication





# How to achieve seamless design?



Seamless Perfection

2

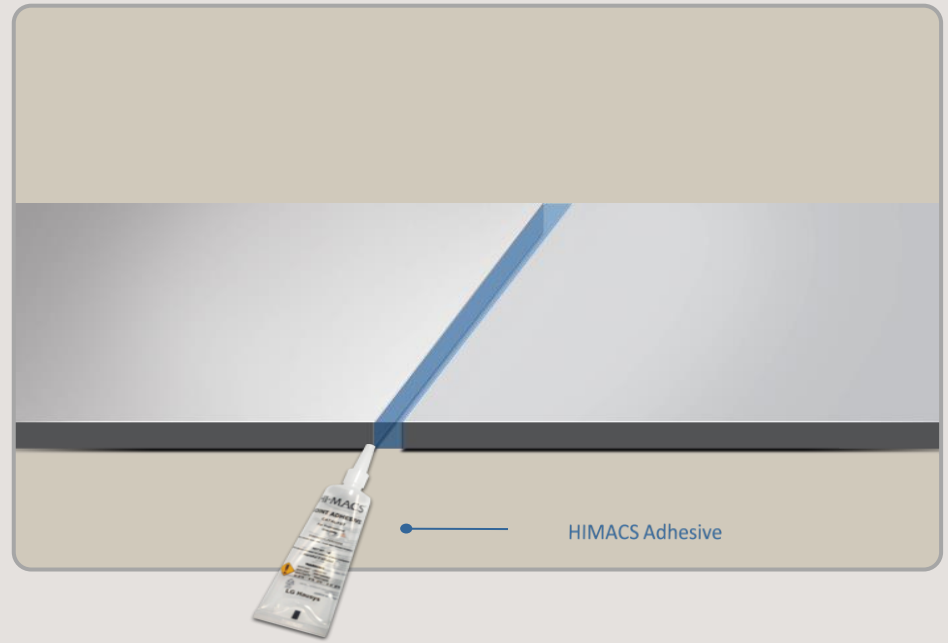
Prepare two pieces of HIMACS

Bond Joint

Clamp the assembly and dry

Sand

Complete seamless fabrication



# How to achieve seamless design?



Seamless Perfection

3

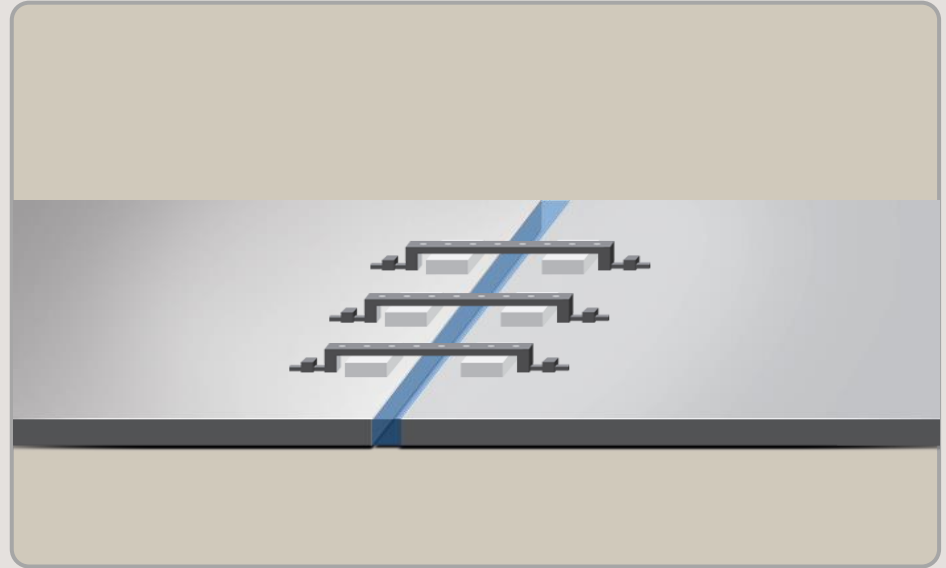
Prepare two pieces of HIMACS

Bond Joint

Clamp the assembly and dry

Sand

Complete seamless fabrication



# How to achieve seamless design?



Seamless Perfection

4

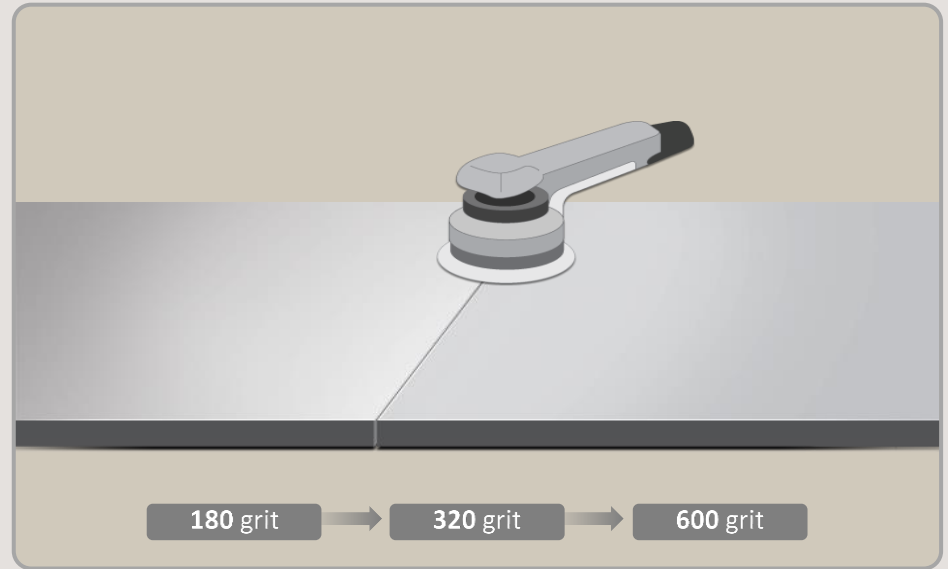
Prepare two pieces of HIMACS

Bond Joint

Clamp the assembly and dry

Sand

Complete seamless fabrication



# How to achieve seamless design?



Seamless Perfection

5

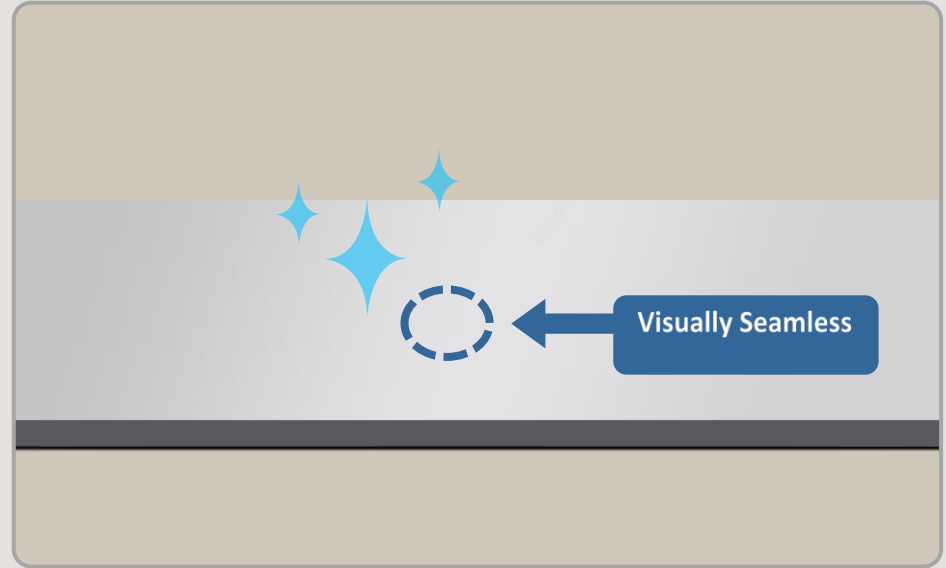
Prepare two pieces of HIMACS

Bond Joint

Clamp the assembly and dry

Sand

Complete seamless fabrication







## Opera house by Zaha Hadid in China

Design : Zaha Hadid Architects, London - Fabrication : Gooday International - Material : HIMACS Alpine White



## Three Dimensional Design Process

HIMACS boasts a simple heating process and three-dimensional thermoforming capabilities.

# Three Dimensional Design Process



Disassemble drawing for mould production

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Mould production

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Preheat HIMACS

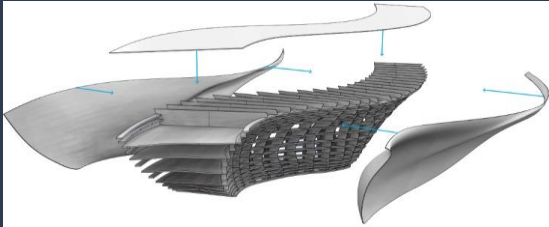
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Vacuum press

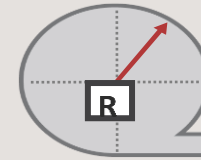
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Glue and sand

# 1. Disassemble Drawing for Mould Production



Thermoforming and seamlessly integrated processing



Possible achievable minimum radius:

- 12 mm : 2D

Approx.  $R = 50 \text{ mm}$  >> for Solids

Approx.  $R = 100 \text{ mm}$  >> for Granite

## 2. Mould production

Three Dimensional Design Process



\* CNC : Computer Numerical control



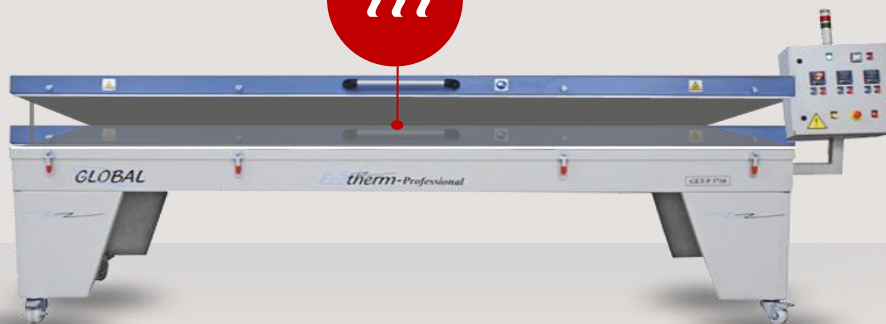
### 3. Preheat HIMACS

Rebate all edges before heating or put a radius on all edges.

Three Dimensional Design Process



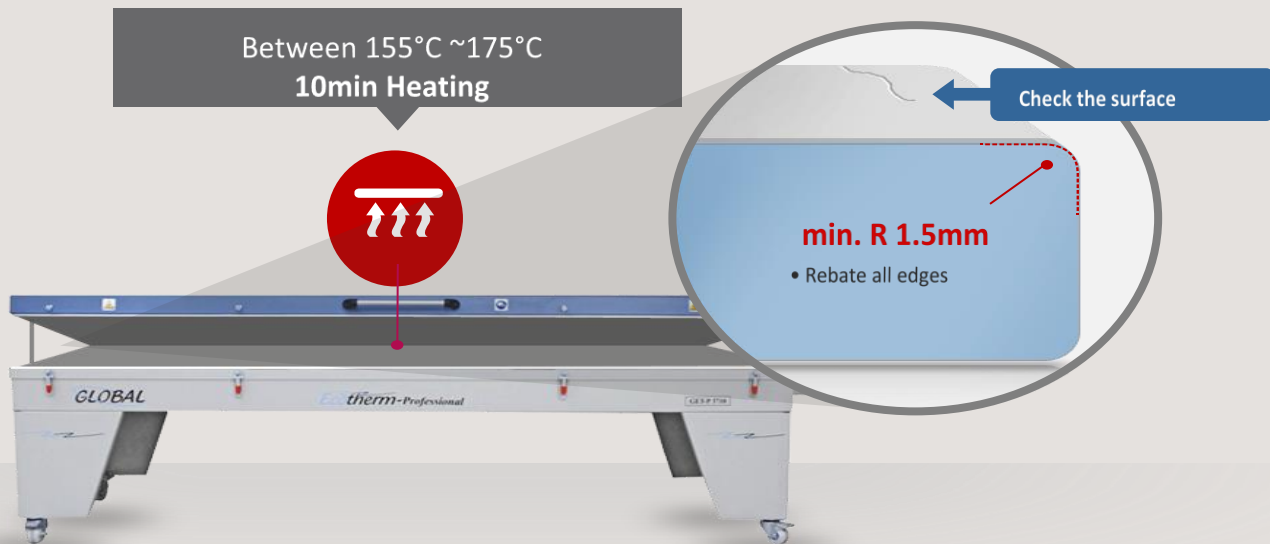
Between 155°C ~175°C  
10min Heating



\* Heating temperature should never exceed 200°C

### 3. Preheat HIMACS

Rebate all edges before heating or put a radius on all edges.



\* Heating temperature should never exceed 200°C

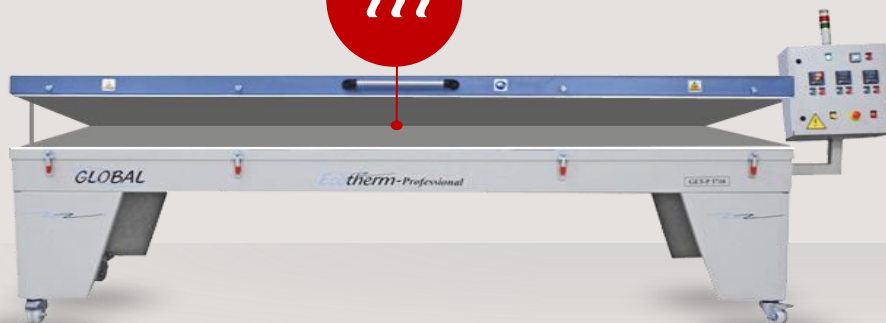
### 3. Preheat HIMACS

Rebate all edges before heating or put a radius on all edges.

Three Dimensional Design Process



Between 155°C ~175°C  
10min Heating



\* Heating temperature should never exceed 200°C

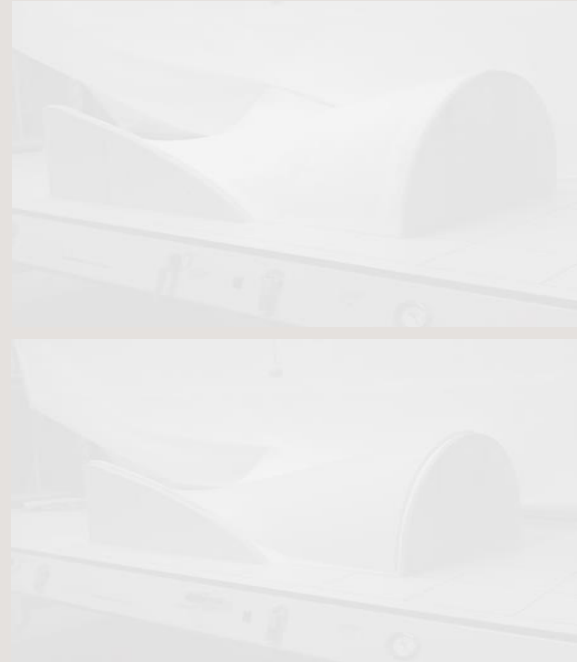
## 4. Vacuum press

After thermoforming process, Let the work-piece cool down continuously.



Thermoform  
vacuum machine

\* There may appear to be a colour difference when working with dark or highly pigmented colours.

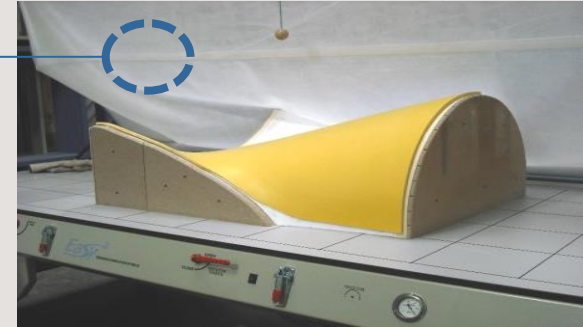
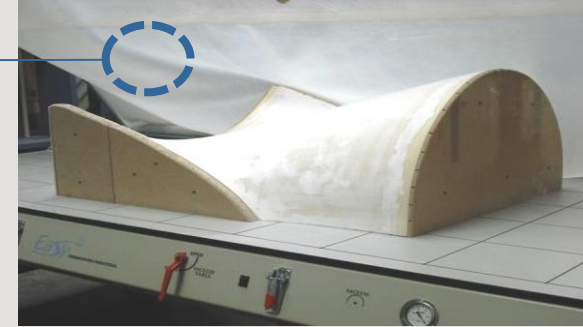


## 4. Vacuum press

After thermoforming process, let the work-piece cool down fully.



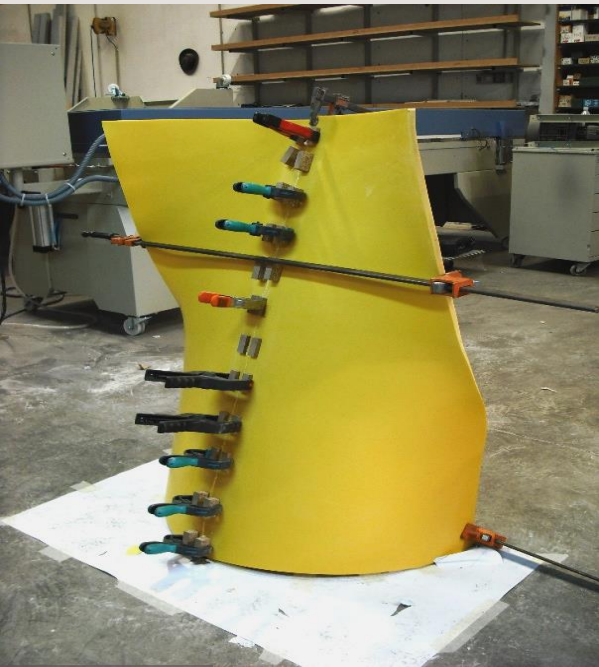
Urethane rubber sheet



\* There may appear to be a colour difference when working with dark or highly pigmented colours.



# 5. Glue and sand





## Swimming Pool, France

Design : Yoonseux Architects, France - Engineering : ETHA - Fabrication : ASKA Interior, France - Material : HIMACS Arctic White - Photo credit : ©Alexandra Mocanu



## Gmund train station, Germany

Design : preiswerk marek architekten - Engineering : SD Engineering - Material : HIMACS Alpine White - Photo credit : © Uwe Röder





## Dramatic Translucency

Certain colours and thicknesses of HIMACS exhibit a special translucency when exposed to light. Various textures and patterns can be built into the material to intensify the HIMACS translucency effect.

DARTS / POOL / BOWLING

Trick Shot Cafe Bar, Romania - Design : Sebastian Mindroiu, Pick Two - Fabrication : Atvanguard - Material : HIMACS Alpine White - Photo Credit : © Stelian Popa

# Solid vs Lucent



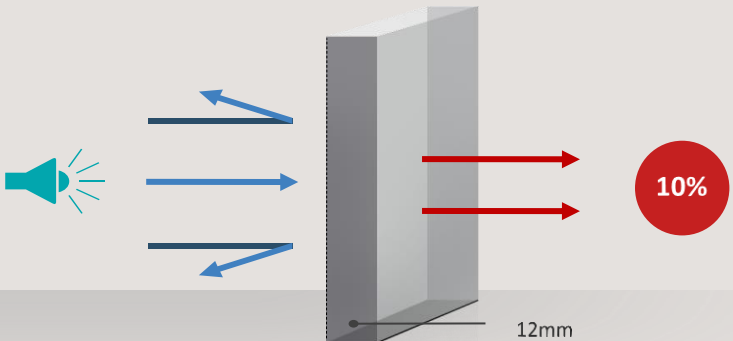
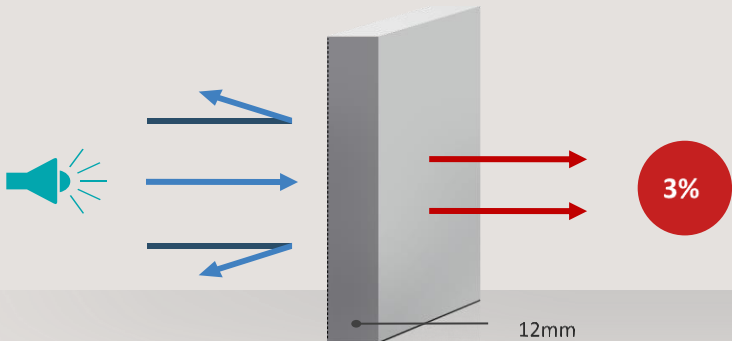
Dramatic Translucency

Alpine White

Solid

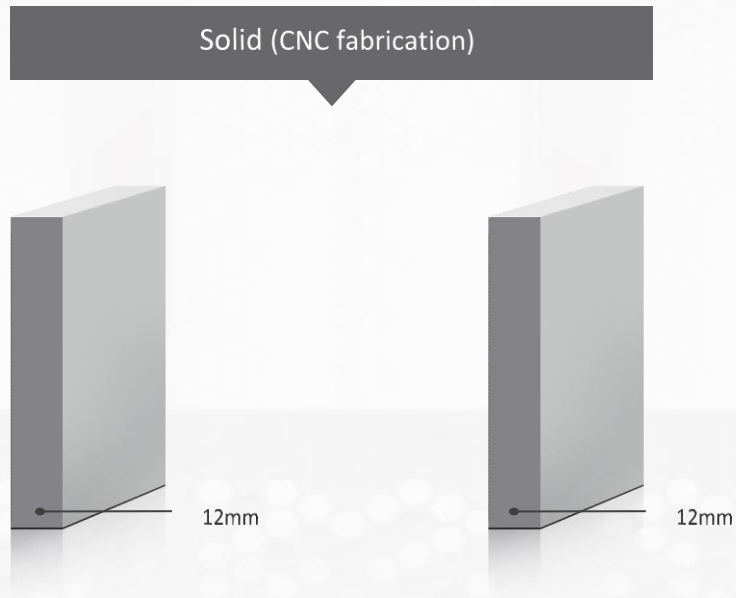
Opal

Lucent





# Solid vs Lucent



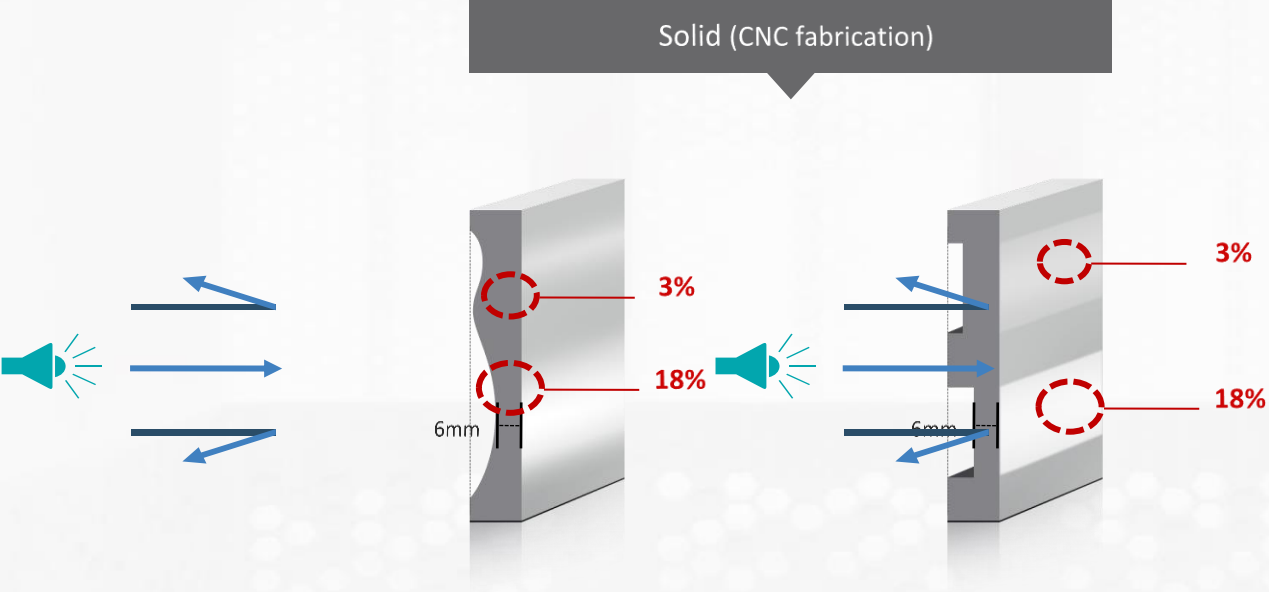
Casa Nazari, Madrid, Spain - Design: MOREMAS, Spain - Fabrication : Realinox - Material: HIMACS Arctic White, 12mm - Photo Credits : © Javier Ortega Valero

# Solid vs Lucent

Solid (CNC fabrication)



# Solid vs Lucent





## Istanbul Aquarium, Turkey

HIMACS Alpine White





## Trick Shot Cafe Bar, Romania

Design : Sebastian Mindroui, Pick Two - Fabrication : Atvanguard - Material : HIMACS Alpine White – Photo credit : © Stelian Popa





## Silver Mountain, Romania

Design : Robert Marin, Nuca Studio – Fabrication : Atvngarde Surfaces - Material HIMACS, Opal - Photo credit: Stelian Popa



## Hygienic

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.

Gynecological Clinic Ritmo -- Design: Fran Canos Studio, Spain - Fabrication: VF Superficies Solidas, Spain - Material: HIMACS, Alpine White Photographed by Lope Matias

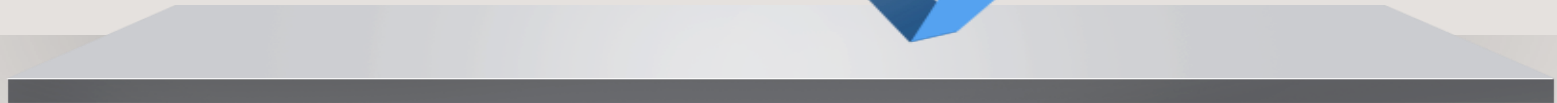
# Non porous nature makes hygiene space



Hygienic



**99.9%**  
impermeability



Non-porous material

# Non porous nature makes hygiene space

Hygienic

impermeability to **virus**



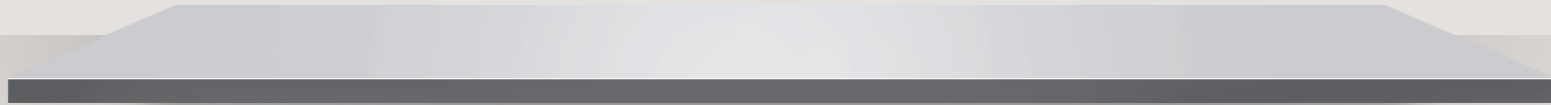
impermeability to  
**dirt**



impermeability to  
**chemicals**



impermeability to  
**bacteria**

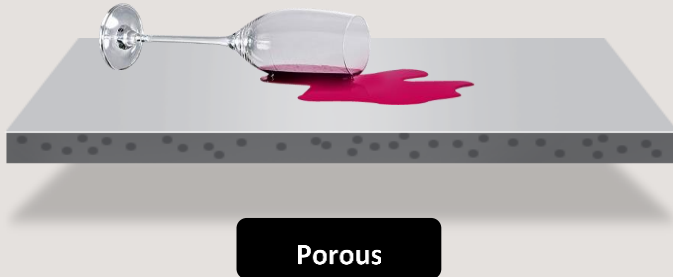


Non-porous material

# Non porous nature makes hygiene space

Hygienic

Natural Stone



VS

HI·MACS

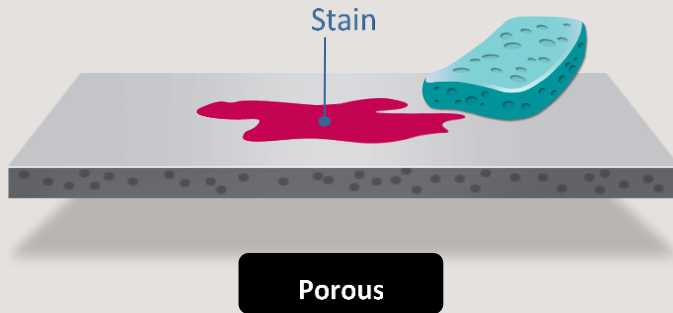




# Non porous nature makes hygiene space

Hygienic

Natural Stone

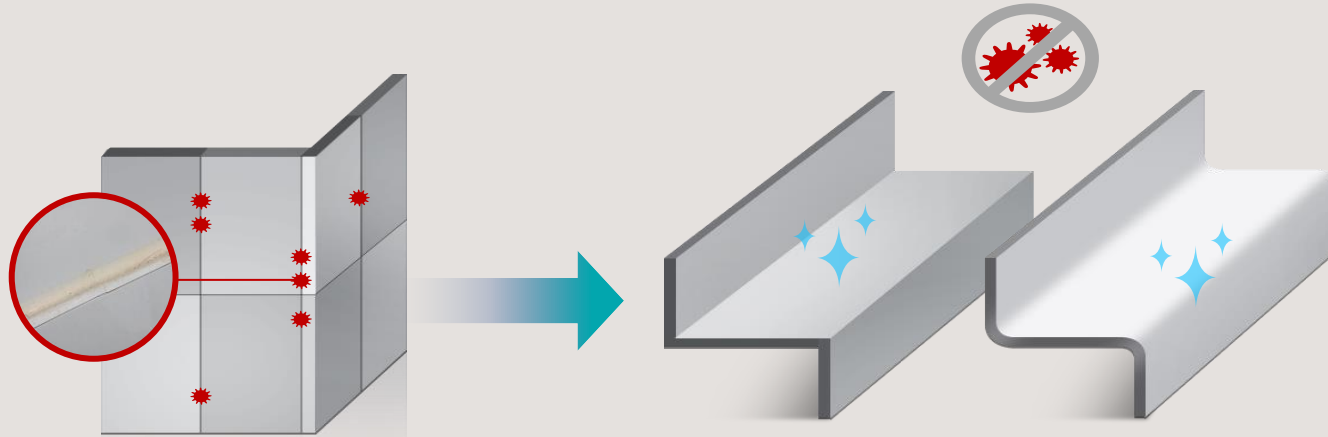


VS

HI·MACS



## Easy-to-clean, Seamless Fabrication



**Seamless joints** between two panels, a smooth and non-completion which does not hold dust





## Maktub Hospital, Spain

Design : Elisa Valero - Fabrication : Muebles Maderama s.l.- Material : HIMACS Alpine White - Photo credit : © Fernando Alda



## Liv Hospital, Turkey

Location: Istanbul, Turkey - Design: Zoom Mimarlık - Fabrication: Gulsan Mobilya- Material : HIMACS , Babylon beige, Crystal Beige, Ruby



## HIMACS vs Mixed Product

Iron Ball Drop Test

Heat Resistance Test

Thermoforming Test

Hot-pan Test

UV Test



# HIMACS vs Mixed Products

Iron Ball Drop Test

Heat Resistance Test

Thermoforming Test

Hot-pan Test

UV Test

There are a wide range of products currently on the market, and some may look like HIMACS, but in reality the quality is far inferior.

We carried out a number of tests to provide a comparison between HIMACS and the «U.P.E» or «Mixed» products. Please see below the description of the material tested:

## HI·MACS

- G04 White Quartz
- 12 mm
- Composition :
  - 30% aprox. Acrylic (PMMA + MMA),
  - 3% aprox. Natural Pigments,
  - 67% aprox. ATH

## UPE/Mixed Product

- Similar colour
- 12 mm
- Composition :
  - 5% MMA or less,
  - 30% UPE,
  - 62% ATH,
  - 3% additives.

# Iron Ball Drop Test

HIMACS vs Mixed Product

Iron Ball Drop Test

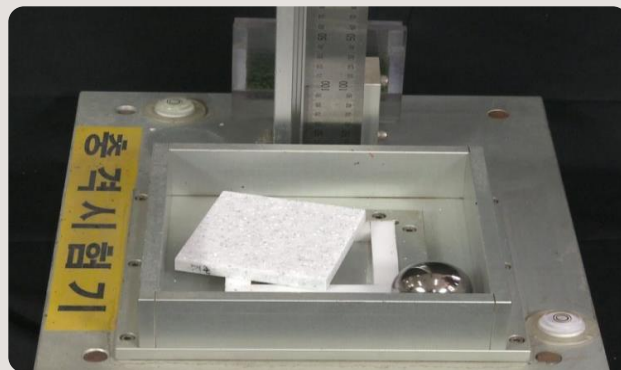
500g iron ball, 90cm/height  
Heat Resistance Test

Thermoforming Test

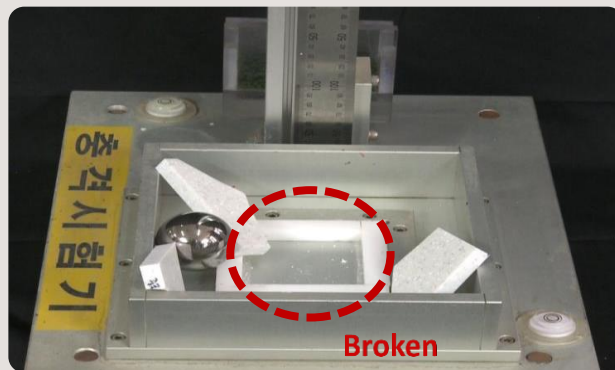
Hot-pan Test

UV Test

**HI·MACS**



Mixed Product



\*this result is valid for G04 colour only, 12 mm

# Heat Resistance Test

HIMACS vs Mixed Product

Iron Ball Drop Test

Heat Resistance Test

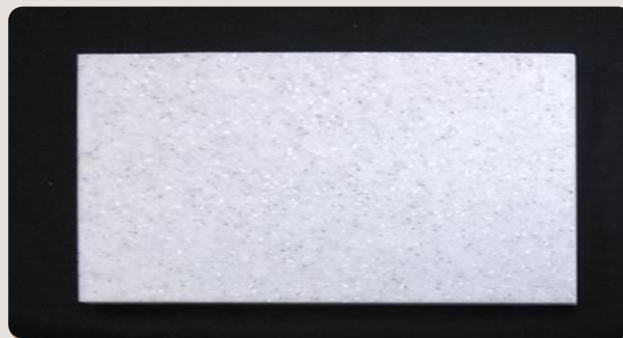
1 hour in 170°C oven

Thermoforming Test

Hot-pan Test

UV Test

**HI·MACS**



$\Delta E : 1.61$

Mixed Product



$\Delta E : 22.87$

\*this result is valid for G04 colour only, 12 mm

# Thermoforming Test

■ HIMACS vs Mixed Product

Iron Ball Drop Test

Heat Resistance Test

Thermoforming Test

Being formed after  
1 hour in 170°C oven

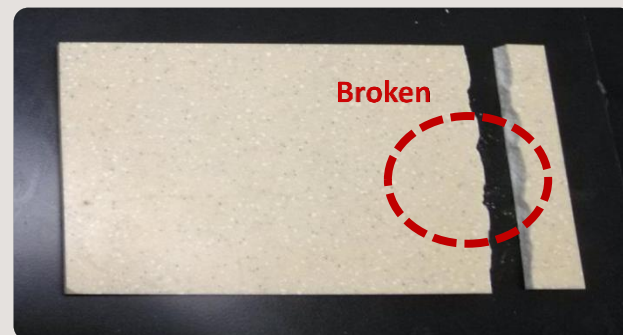
Hot-pan Test

UV Test

**HI·MACS**



Mixed Product



# Hot-pan Test

HIMACS vs Mixed Product

Iron Ball Drop Test

Heat Resistance Test

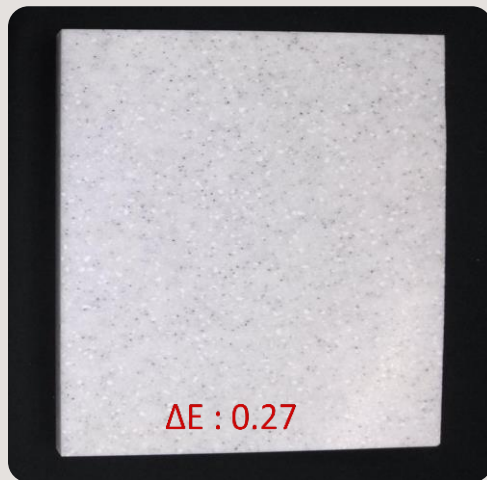
Thermoforming Test

Hot-pan Test

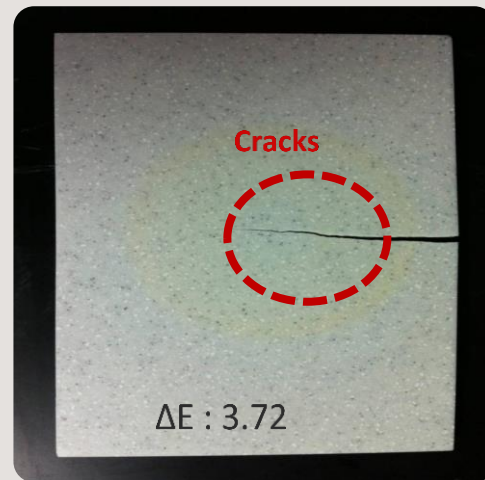
Putting 280°C hot-pan  
for 10 minutes

UV Test

**HI·MACS**



Mixed Product



\*this result is valid for G04 colour only, 12 mm.



# UV Test

HIMACS vs Mixed Product

Iron Ball Drop Test

Heat Resistance Test

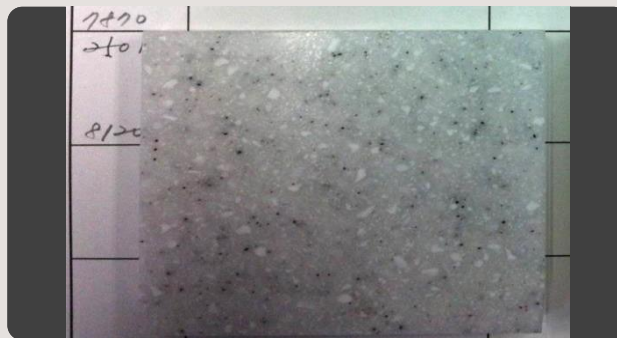
Thermoforming Test

Hot-pan Test

UV Test

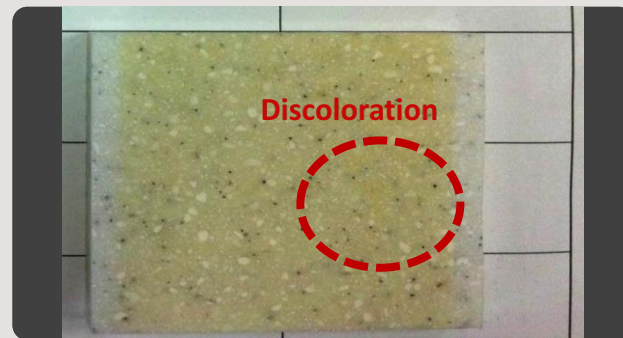
250 hour in accelerated weathering test machine  
(equivalent to 375 days)

## HI·MACS



$\Delta E : 0.62$

## Mixed Product



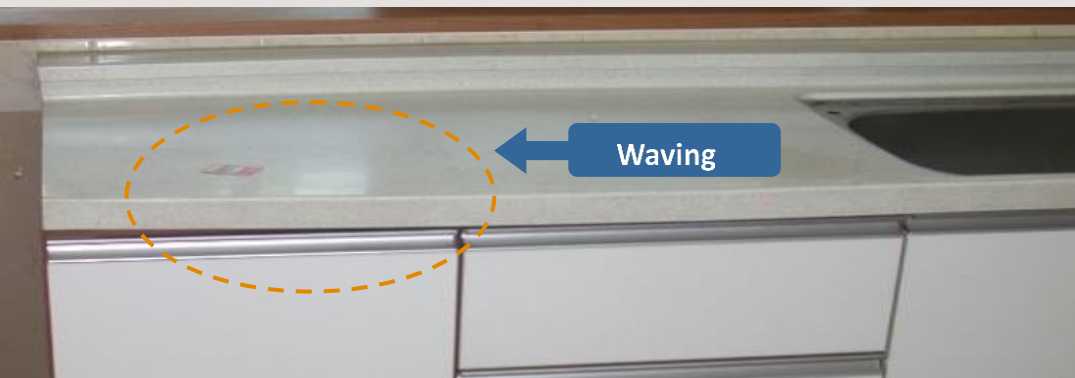
$\Delta E : 16.91$

\*this result is valid for G0004 colour only and for 375 days exposure

# Mixed product claims

One year after Installation (Goyang city, Korea)

HIMACS vs Mixed Product



# Comparison Results

Product	HI·MACS	Mixed Products
Main Component	- Approx. 30% MMA + PMMA	- Approx. 35% UPE + 5% MMA
Hygiene	<ul style="list-style-type: none"> <li>- Eco-Friendly proven Certificate (NSF)</li> <li>- Harmless to Human body</li> <li>- LGA Certificate</li> </ul>	<ul style="list-style-type: none"> <li>- No proven Data</li> <li>- Harmful dregs like Styrene Monomer possibly remain</li> </ul>
Strength	<ul style="list-style-type: none"> <li>- Excellent : resist the drop of a 500g steel ball from 90cm high</li> <li>- Flexural Strength: 6.643 Kg/m<sup>2</sup></li> </ul>	<ul style="list-style-type: none"> <li>- Subject to be broken or damaged by impact</li> <li>- Flexural Strength: 3.247 Kg/m<sup>2</sup></li> </ul>
Hardness	- Excellent : Barcol hardness: 61	<ul style="list-style-type: none"> <li>- Subject to be scratched</li> <li>- Barcol hardness: 50</li> </ul>
Discolouration in natural weather condition (in 375days)	<ul style="list-style-type: none"> <li>- no visible change</li> <li>- ΔE : 0.62</li> </ul>	<ul style="list-style-type: none"> <li>- Subject to be yellowish</li> <li>- ΔE : 16.91</li> </ul>
Discolouration by heat (1 hour in 170°C oven)	<ul style="list-style-type: none"> <li>- Low Discolouration</li> <li>- ΔE : 1.61</li> </ul>	<ul style="list-style-type: none"> <li>- Subject to be yellowish</li> <li>- ΔE : 22.87</li> </ul>
Fire Resistance	- Classified as B1	<ul style="list-style-type: none"> <li>- No classification data</li> <li>- Estimated to be classified as B2</li> </ul>
Thermoforming	- Suitable	- Not Recommended

These results are only valid for the test presented earlier, please refer to our guarantee conditions for applications to all colours and sheet thicknesses.



## HIMACS Exteria®

HIMACS can give shape and form to  
virtually any of your design ideas.  
New dimensions are opening up now: Just take the countless  
advantages  
offered by HIMACS outside and use the  
material of possibilities to design  
facades as well.

Beneteau's HQ facade, France - Designer: PAD Architectes for BERI21 - Fabrication: LCCA - Material: HIMACS Alpine White – Photo credit : © Mathieu Ducros



# Explore new ideas for endless possibilities



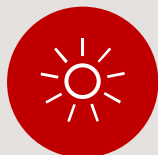
Exterior



Sokcho Housing - Design : AEV Architectures Woojin LIM  
Material : HIMACS Alpine White  
Photo credit : AEV Architectures Hyunjune Lee



Villa in Cannes - Design : Pierre Guidoni, Jean Rogliano - Fabrication : Menuiserie  
Bareau, Frankreich - Material : HIMACS Cream  
- Photo credit : © Mathieu Ducros



UV resistance



Fire Resistance



Design diversity

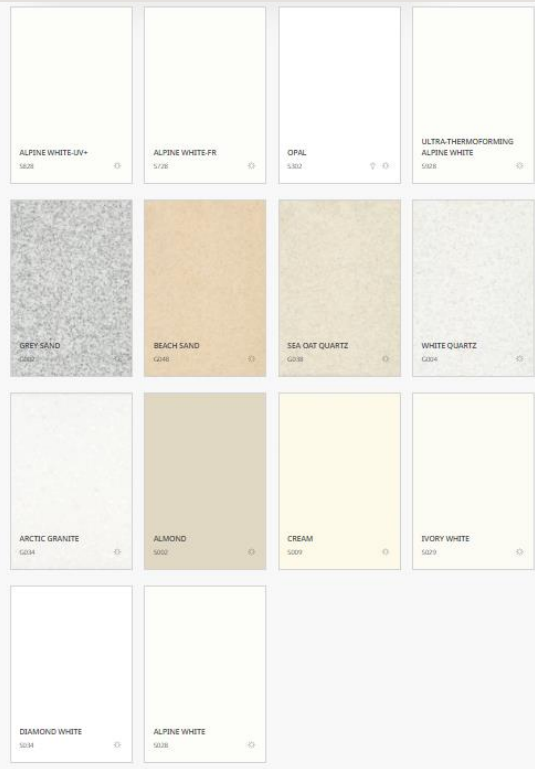




**10 years warranty** on colours' UV resistance



Exterior



**The HIMACS resistance to UV radiation surpasses that of any other solid surface.**

That is why, on the following colours, we offer a 10 years warranty on colours' UV resistance and loss of gloss over 40%, 10 years on colour leaching and 20 years on colour peeling, swelling or delaminating.

## HIMACS Alpine White for special requirements

### HIMACS UV+ - Improved UV resistance



Alpine White  
S828 – Δ E2  
12 mm

### HIMACS FR – Minimal flammability



Alpine White  
S728 – Δ E5  
12 mm



HIMACS by LX Hausys has obtained the French QB certification and CSTB ATec “Avis Technique” for facade applications in S828 Alpine White. (Avis Technique 2.2/18-1795\_V1).



Fixed with KEIL inserts and a BWM structure, HIMACS façade in S728 – Alpine White successfully passed the ETA tests (European Technical Agreement).

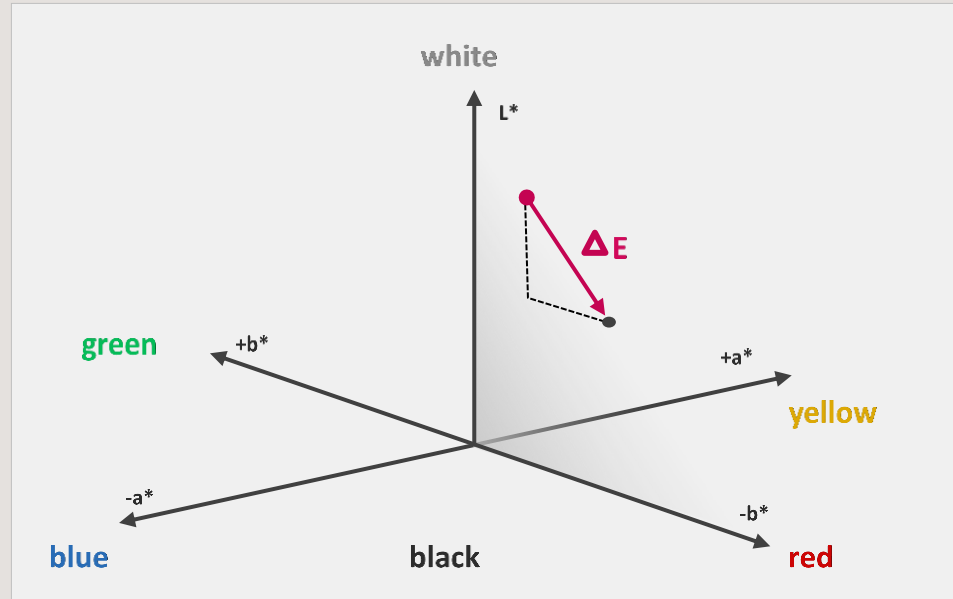


# UV resistance



Exterior

Delta E values - ID	
E value	meaning
0 - 1	a normally invisible difference
1 - 2	very small difference, only obvious to a trained eye
2 - 3.5	medium difference, also obvious to an untrained eye
3.5 - 6	an obvious difference
> 6	a very obvious difference





# Fire resistance



Exterior

The HIMACS-FR-quality passed the fire rating test with far better results than any of the other mineral materials : The achieved SBI test According to EN-13501-1 is the impressive proof of this.

**EN  
13501-1**

## **B-s1-d0 classification**

Equivalent to BR class 0 Certification. The EN 13501 is the European fire resistance requirement  
B = classification level  
S1 = low smoke density  
D0 = non droplets

**NFP  
92-501**

## **M1 classification**

M1 classification that HIMACS has a low flammability.  
The NFP 92-501 is the French fire resistance requirement

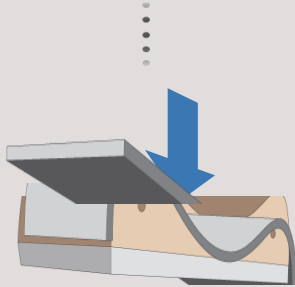
**DIN  
4102-1**

## **Classification B1**

B1 classification that HIMACS has a low flammability. The DIN 4102-2 is the German resistance requirement

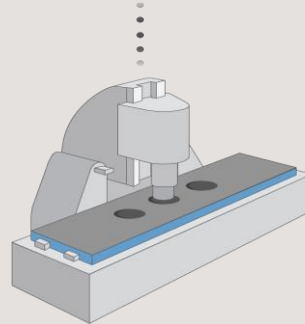
1

Three-Dimensional  
Design Facade



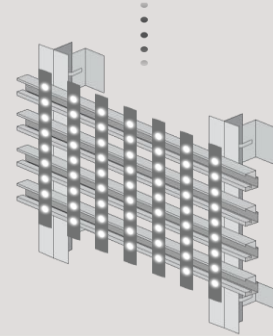
2

Design Skin Facade

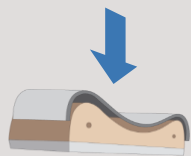


3

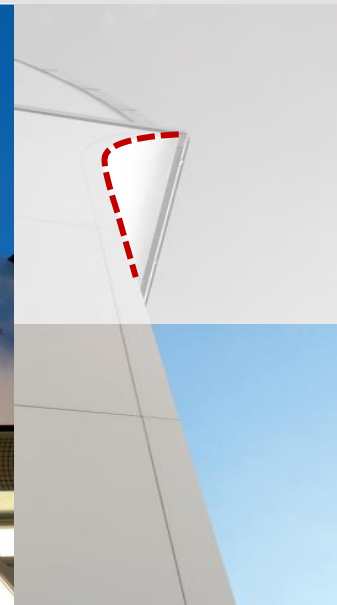
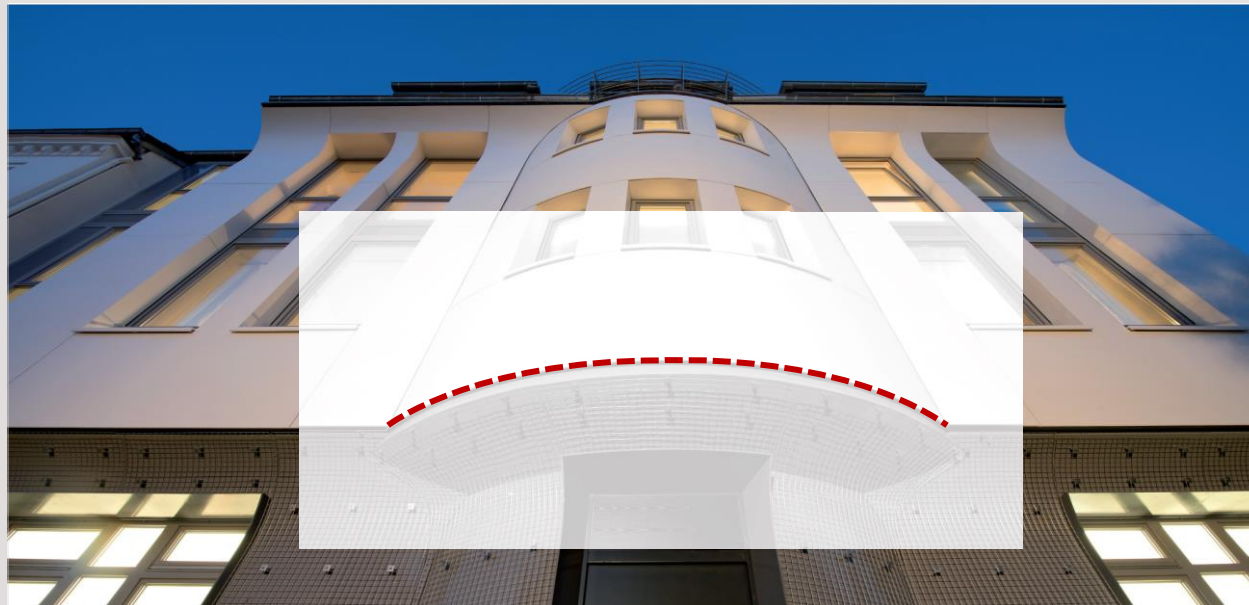
Media Facade





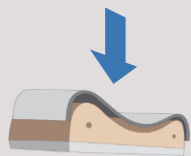


Three-Dimensional  
Design Facade

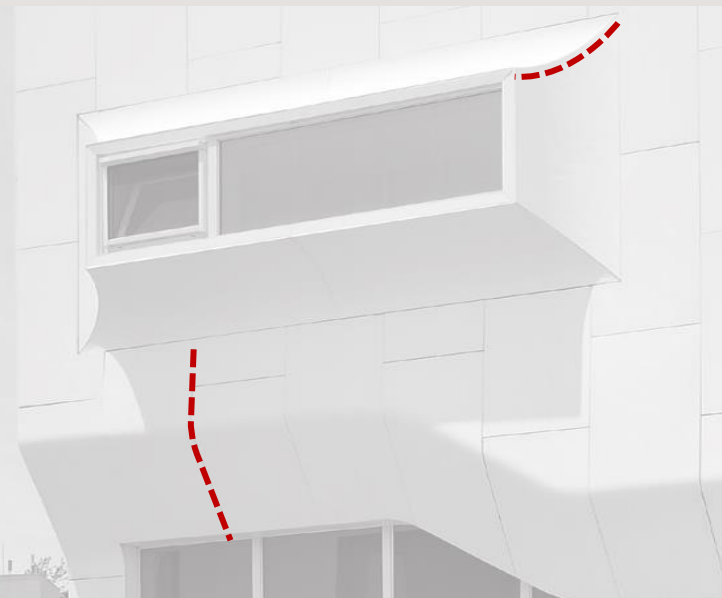


## Ice Loft, Hamburg

Design: Köhler Architekten – Façade Construction: Peter Knapp  
and Fassadentechnik GmbH - Material: HIMACS, Alpine White, S028, Opal S302 – Photo credit : © Nikolaus Herrmann

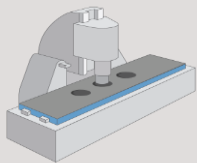


Three-Dimensional  
Design Facade



Private House, Pan-gyo, Korea

Design: Office 53427 - Fabrication: Daemyung ATM - Material: HIMACS Alpine White – Photo Credit : © Yongkwan Kim

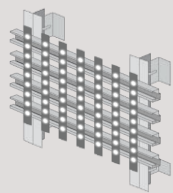


Design Skin Facade



Beneteau's HQ facade, France

Designer: PAD Architectes for BERI21 - Fabrication: LCCA - Material: HIMACS Alpine White – Photo credit : © Mathieu Ducros



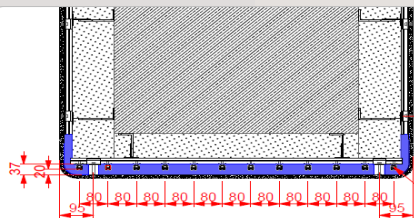
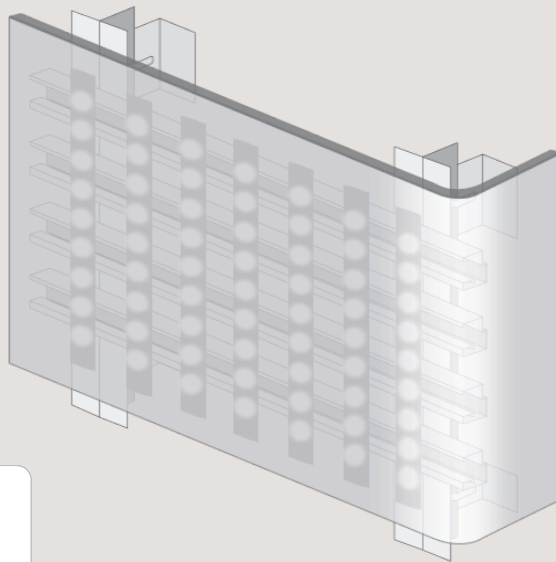
Media Facade



Schönhauser Tor, Berlin - Germany

Design : neo systems architects - Engineering 5D Engineering - Material : HIMACS Opal- Photo Credit © : Volker Mai





Leurocom  
LED Track



Design : neo systems architects - Engineering 5D Engineering - Material :  
HIMACS Opal- Photo credit : © Andreas Mikutta



# Cladding System



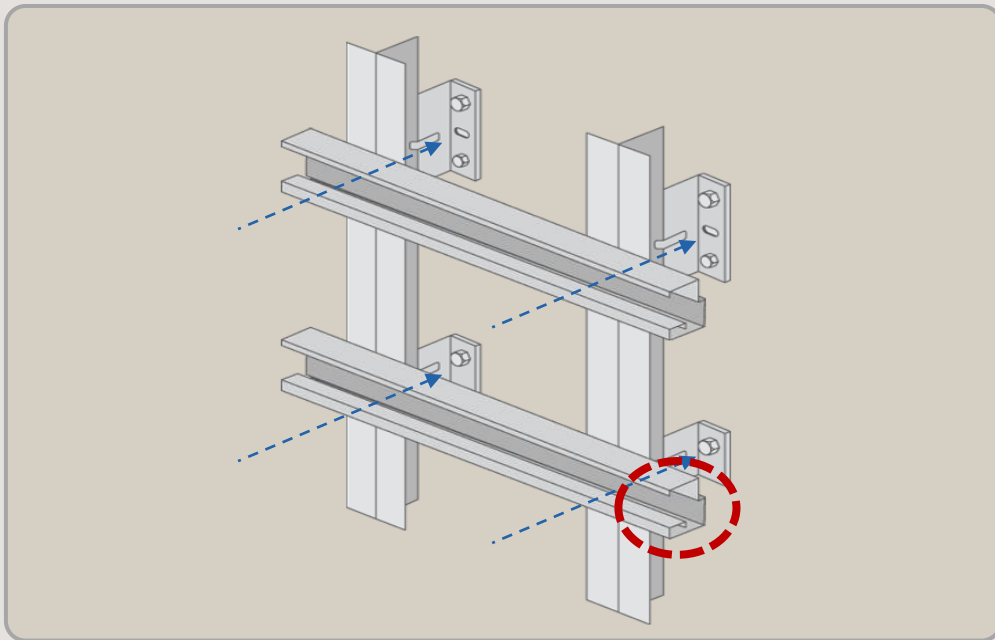
Exterior

To build HIMACS facades, LX Hausys suggests using a structure made from a ventilated façade system using BWM fixings.

Step 1

Step 2

Step 3



# Cladding System

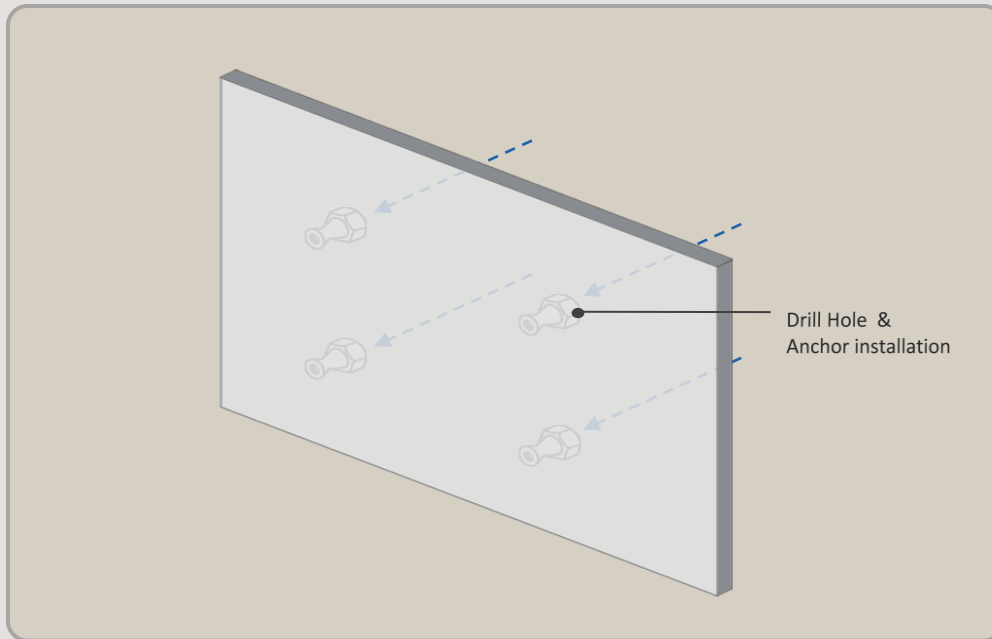
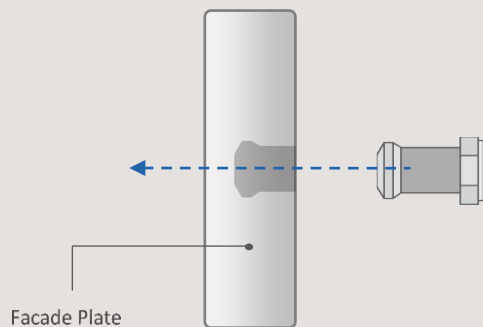
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Step 2

Step 3



# Cladding System

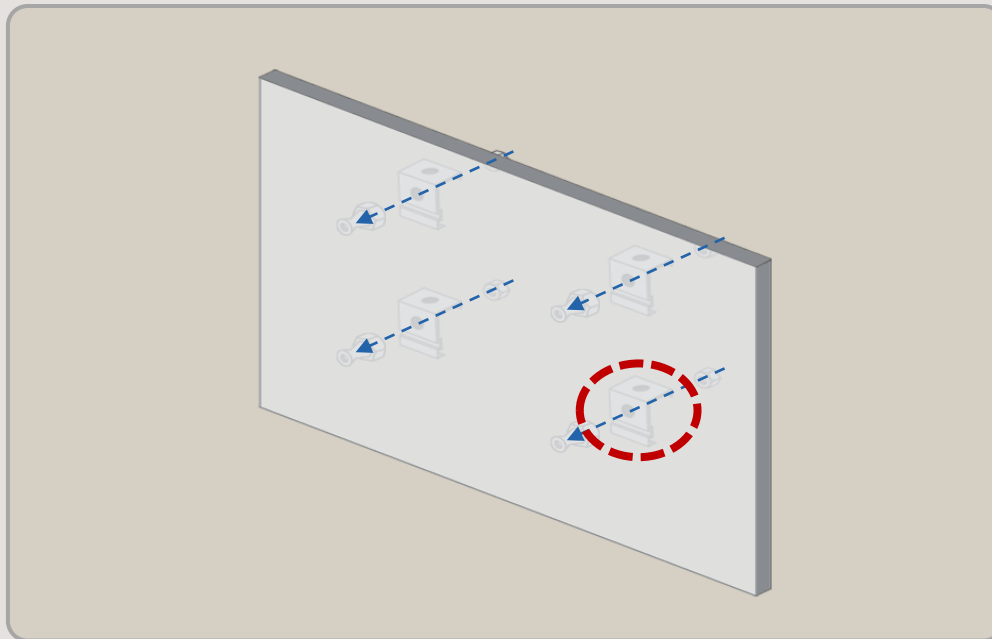
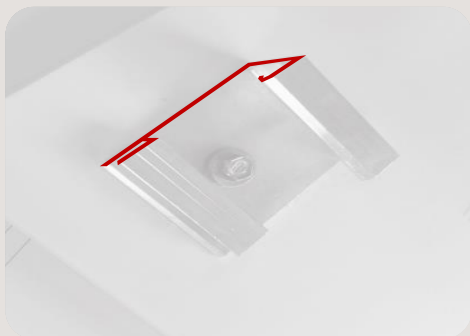
Exterior

To build HIMACS facades, LX Hausys suggests using a structure made from a ventilated façade system using BWM fixings.

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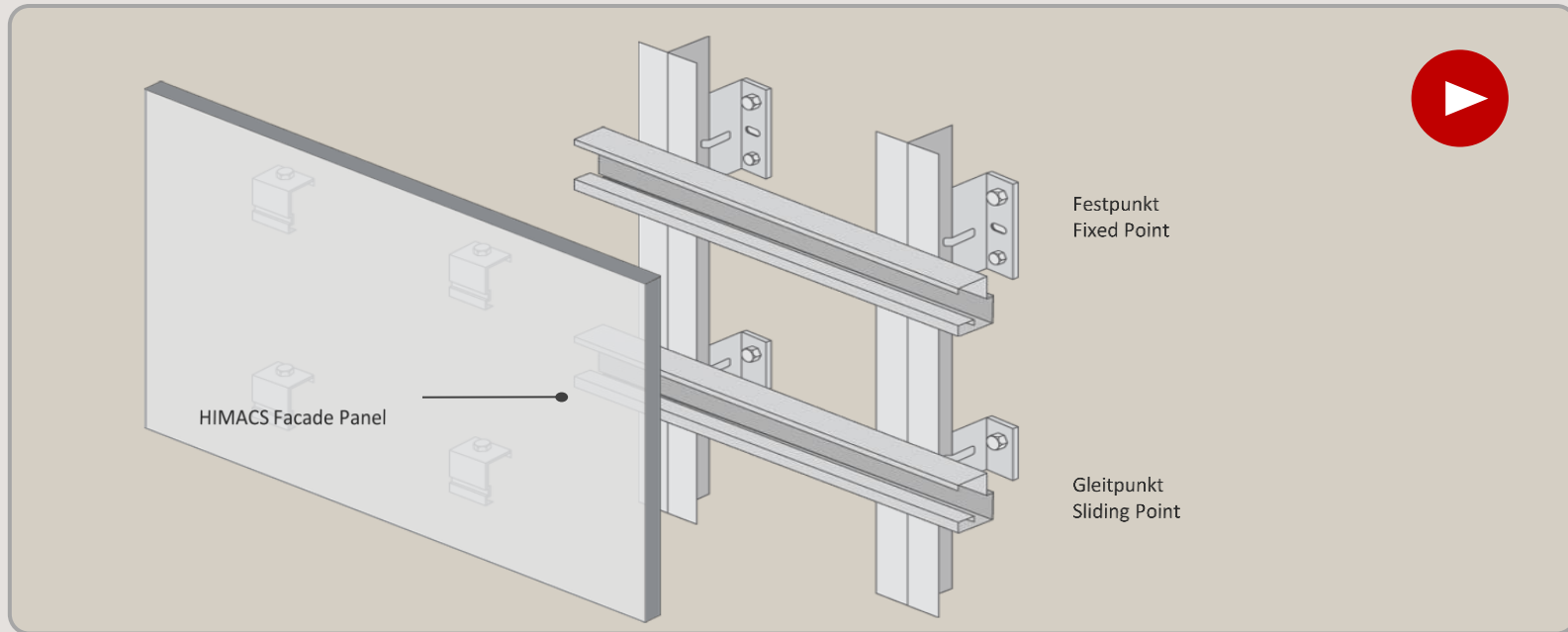


# Cladding System



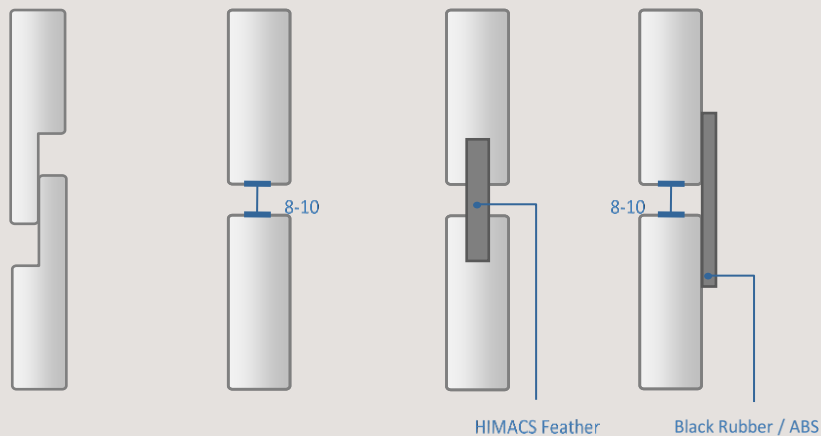
Exterior

To build HIMACS facades, LX Hausys suggests using a structure made from a ventilated façade system using BWM fixings.

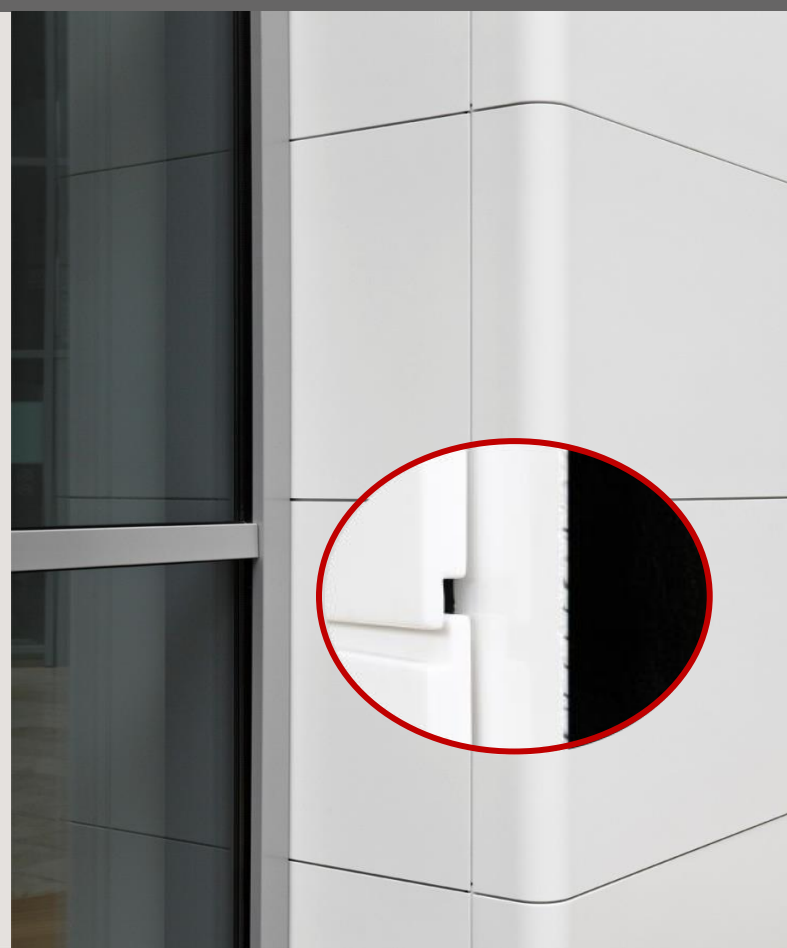


# Seams Design

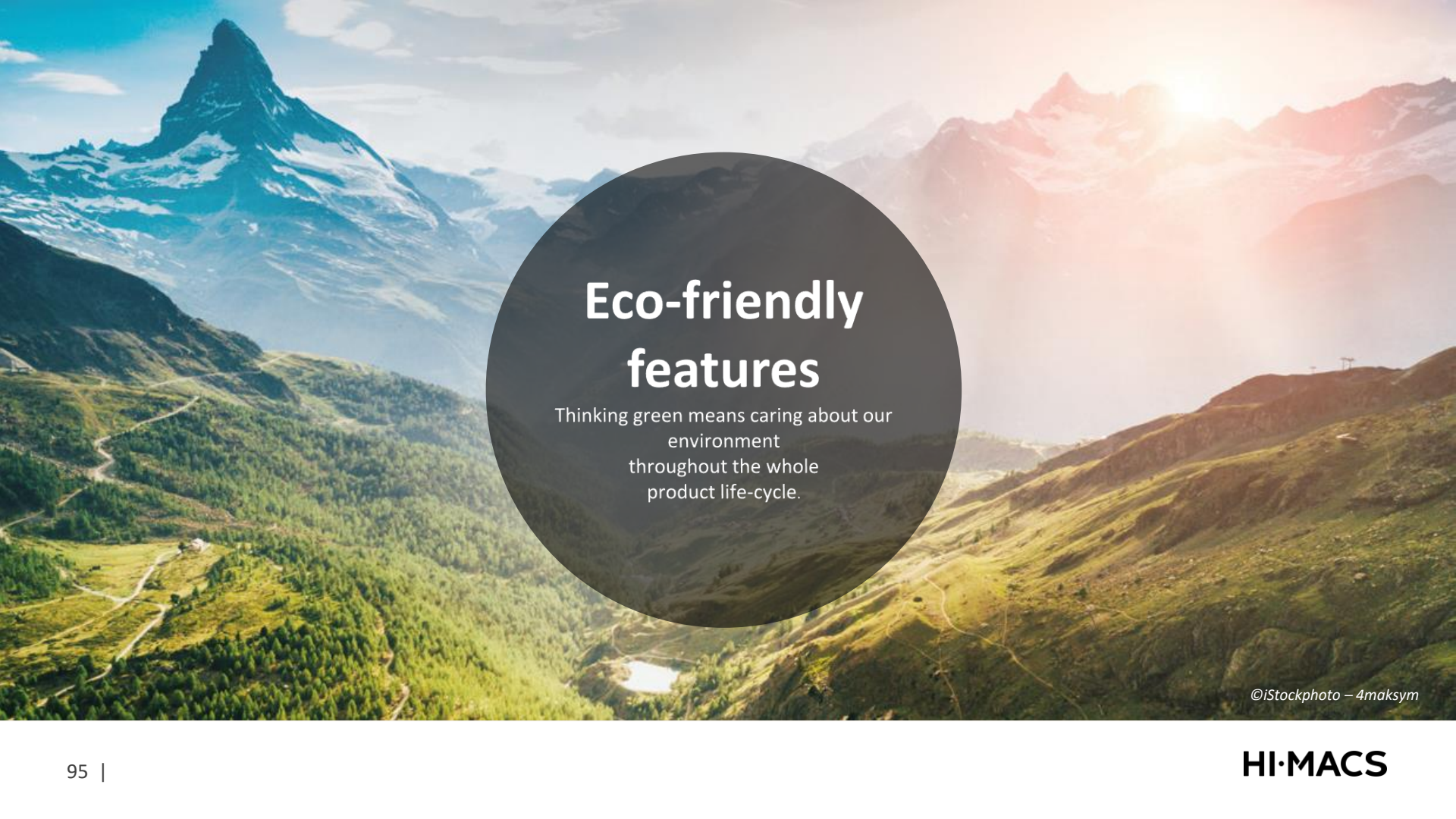
HIMACS has natural contraction and expansion properties related to temperature changes. We suggest leaving gaps of 8 to 10mm between each panel.



Open seam with/without backside protection







# Eco-friendly features

Thinking green means caring about our  
environment  
throughout the whole  
product life-cycle.

©iStockphoto – 4maksym

# Quality means thinking about tomorrow today.



### PROCESSING

HIMACS allows for virtually waste-free processing. HIMACS 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.

### LOGISTICS

Whether in transport or logistics, our selected partners meet the highest ecological standards.

### MATERIAL COMPOSITION

HIMACS consists of 67% natural minerals, 30% finest acrylic and 3% natural colour pigments.



### MATERIAL SAFETY

HIMACS is completely free of formaldehyde, VOC emissions and nanoparticles, ensuring particularly high indoor air quality.

### MANUFACTURING PROCESS

HIMACS is produced in an energy-efficient and resource-saving manner. This includes consistent waste reduction, the recycling of pre-industrial off-cuts and water savings. The production plants themselves – such as those in Cheongju (Korea) or Atlanta (USA) – also comply with all environmental guidelines.

# Certificates, environmental product Declarations and regular tests:

## DGNB

### GERMAN SUSTAINABLE BUILDING COUNCIL (DGNB)

HIMACS has achieved quality level 4 of 4 – the best rating – for the local environmental impact of the overall product (2018). The DGNB system is a holistic and unique certification system for sustainable construction.



### BUILDING RESEARCH ESTABLISHMENT ENVIRONMENTAL ASSESSMENT METHOD (BREEAM)

Among other ratings, the material complies with “Hea 02 Indoor Air Quality” for particularly good air quality. BREEAM is one of the world’s most important global rating methods for sustainable architecture.




### LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN (LEED)

Is a standard voluntary system to certify high performance of buildings, from the US Green Building Council (USGBC). LEED certifies buildings using a credit system. Architects and planners using HIMACS for their project can claim EQ Credit for Low-Emitting Materials with the category Indoor Environmental Quality (EQ).



### ENVIRONMENTAL BUILDING CERTIFICATE – GRADE “OUTSTANDING”

The Korean Air Cleaning Association certifies that HIMACS complies with the Korean regulations for environmental building materials.



## Quality service

With the longest warranty of any Solid Surface manufacturer on the market and a solid network of qualified distributors and installers, HIMACS offer a high quality of customer service.



# Quality Club



Quality

**HIMACS Quality Club: A network of highly qualified fabricators and installers.**

***Join the HIMACS Quality Club!***

*Certify your fabrication expertise by taking part in our Training Programme and become a HIMACS Quality Club Member.*



Benefits :

- To **control & ensure the high quality** of fabricated products made with HIMACS material.
- HIMACS 15 Year Limited Installed Warranty can only be offered by HIMACS Authorized Fabricator.
- Only HIMACS Authorized Installer can propose the **15 Year Limited Installed Warranty on products fabricated by an Authorized HIMACS Fabricator.**

# 15 years warranty

Quality

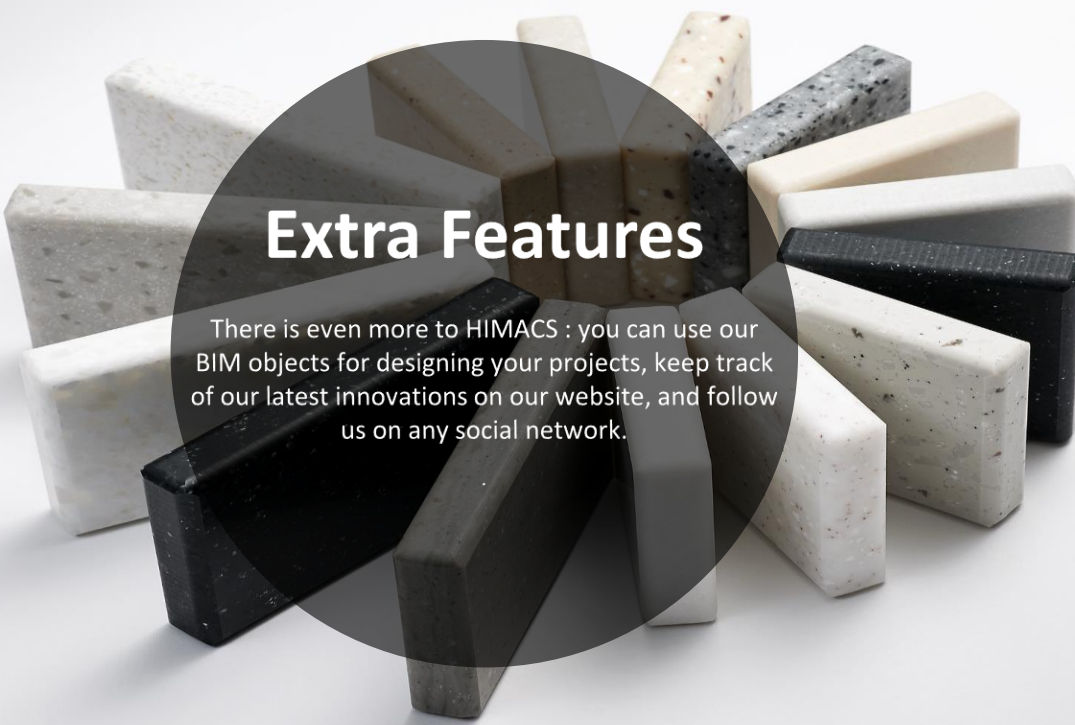
Quality pays for itself: With its 15 year limited installation warranty, HIMACS offers the longest warranty of any Solid Surface manufacturer on the market.



Loyalty is rewarded with a 15-year material-warranty\* for material fabricated and installed by a member of the HIMACS Quality Club.

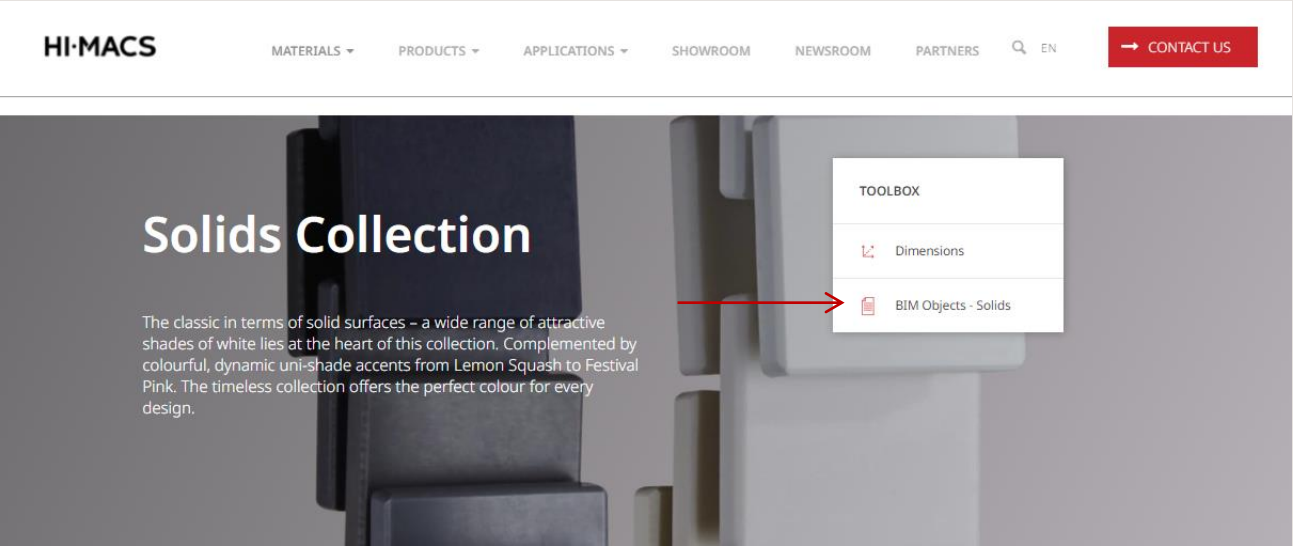
\* Please refer to our website for more detailed information on our warranty conditions.





## Extra Features

There is even more to HIMACS : you can use our BIM objects for designing your projects, keep track of our latest innovations on our website, and follow us on any social network.

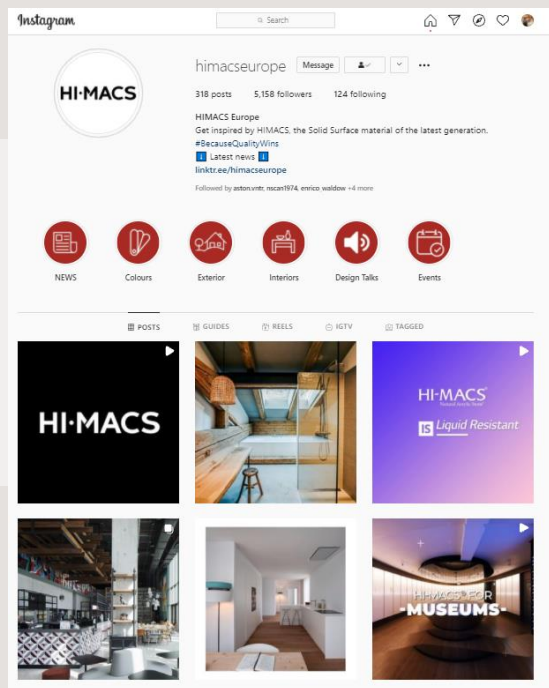


The entire range of HIMACS products for certain CAD packages is downloadable from [himacs.eu](http://himacs.eu) or the [Bim Object Portal](#) and will ensure that architects, designers and specifiers can ensure compliance which will become mandatory for public projects.

# Social Media

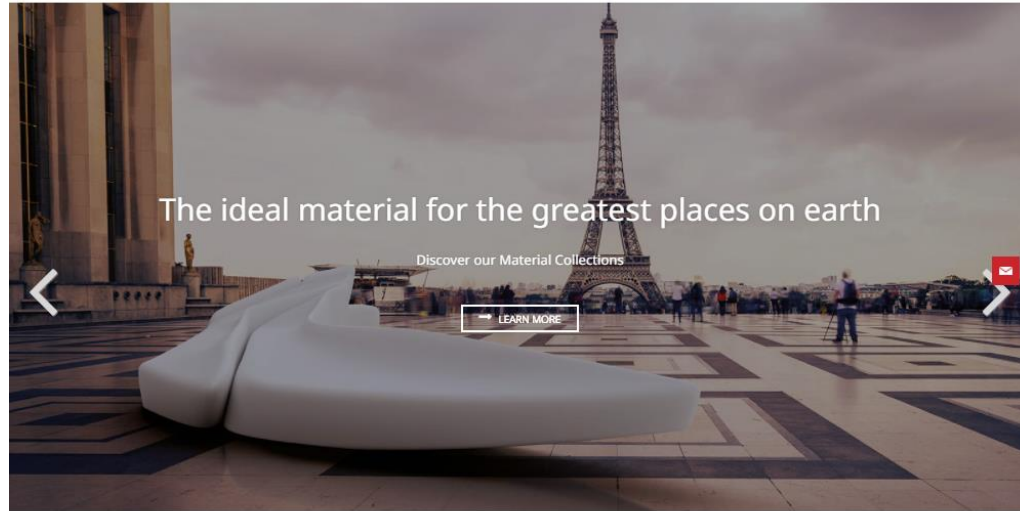
Features

Connect with HIMACS on all major social medias :



## # HIMACS #BecauseQualityWins

[Instagram](#) | [Facebook](#) | [LinkedIn](#) | [Pinterest](#) | [YouTube](#) | [Twitter](#)



© Studio Mies



**HIMACS IS AN OUTSTANDING SOLID SURFACE MATERIAL THAT CAN BE MOULDED TO ANY SHAPE - FROM BEAUTIFUL WORKTOPS TO STUNNING FACADES.**

HIMACS is an outstanding solid surface material. 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 in a large part to this quality and the outstanding flexibility in fabrication and design, HIMACS offers countless advantages over conventional materials.

HIMACS is produced in an ultra-modern manufacturing process that complies with the best quality certification standards.



For more  
information

<http://www.himacs.eu>

