

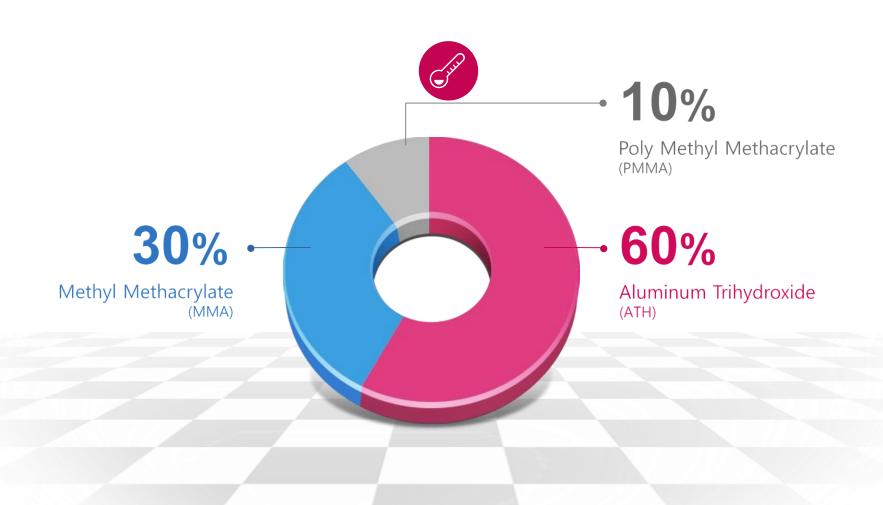






What exactly is HI-MACS

HI-MACS Acrylic Solid Surface™ is manufactured from





What exactly is HI-MACS

HI-MACS Acrylic Solid Surface™ is manufactured from

Aluminum Trihydroxide (ATH) 60% Methyl Methacrylate (MMA) 30% Poly Methyl Methacrylate (PMMA) 10%



Stronger surface with durability similar to that of natural stone.



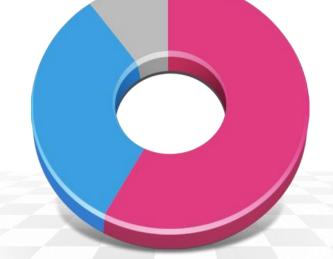
No matter if it's a scratch, stain or crack, HI-MACS can be restored to its Original Appearance by a certified professional.



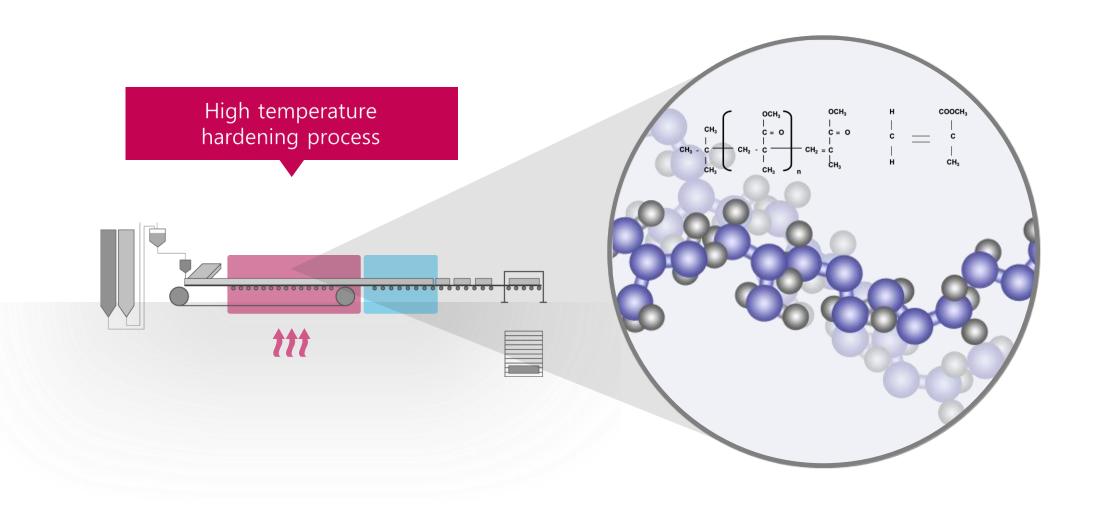
HI-MACS is ideal for places where security is the number 1 criteria of choice.



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



Advanced polymer resin technology





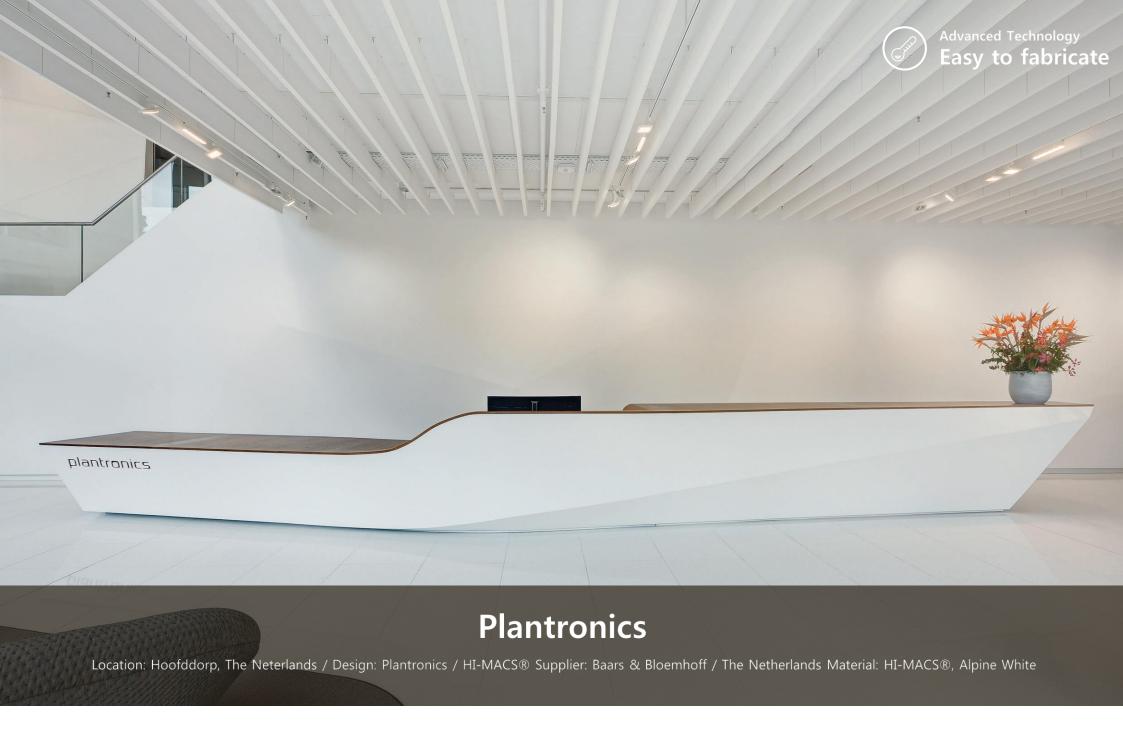
Advanced polymer resin technology

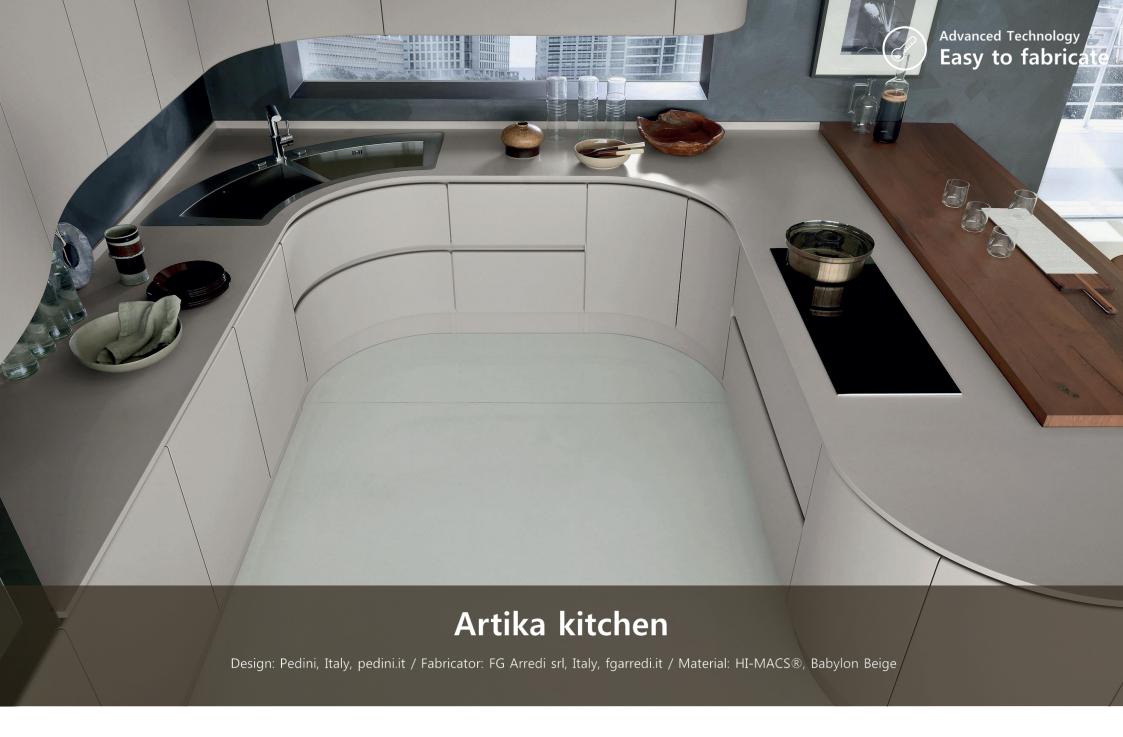
As HI-MACS is easy to fabricate, it reduces costs and its high durability allows long period usage.

1 Easy to cut 2 Easy to sand

3 High-gloss finish 4 Easy Maintenace











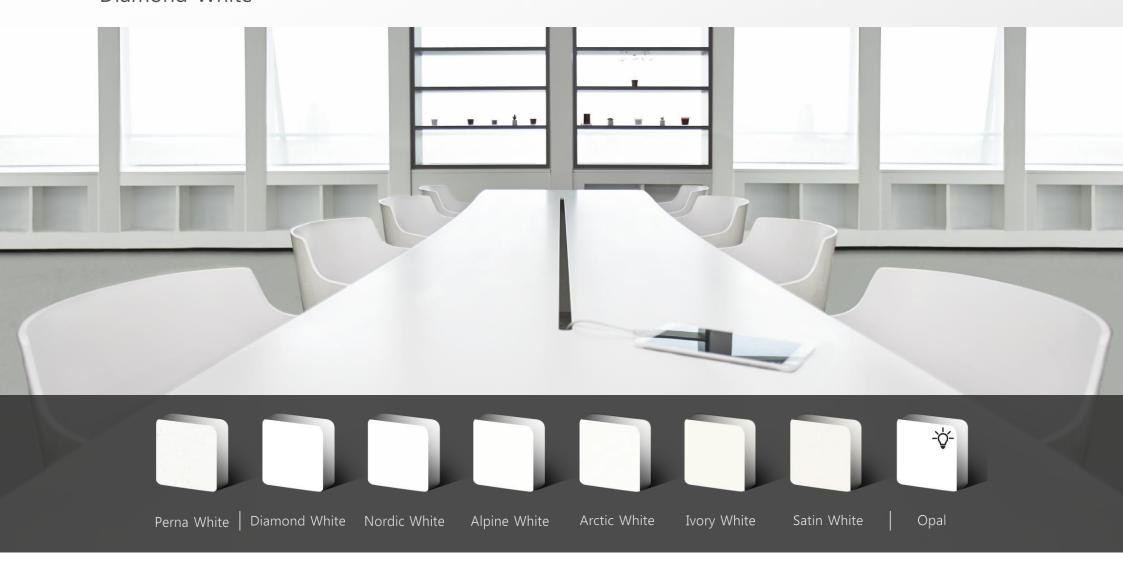


NEXT >

Diamond White, 30% whiter than our whitest white

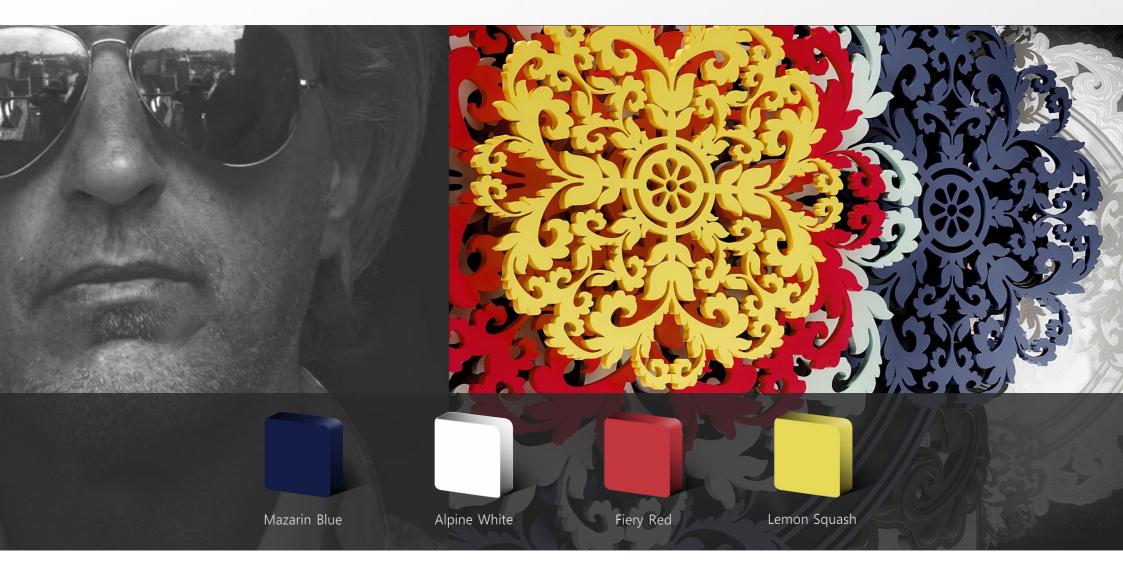
Unlimited Color Spectrum

Diamond White



Milan Design Week 2015 "Rational and emotional worlds"

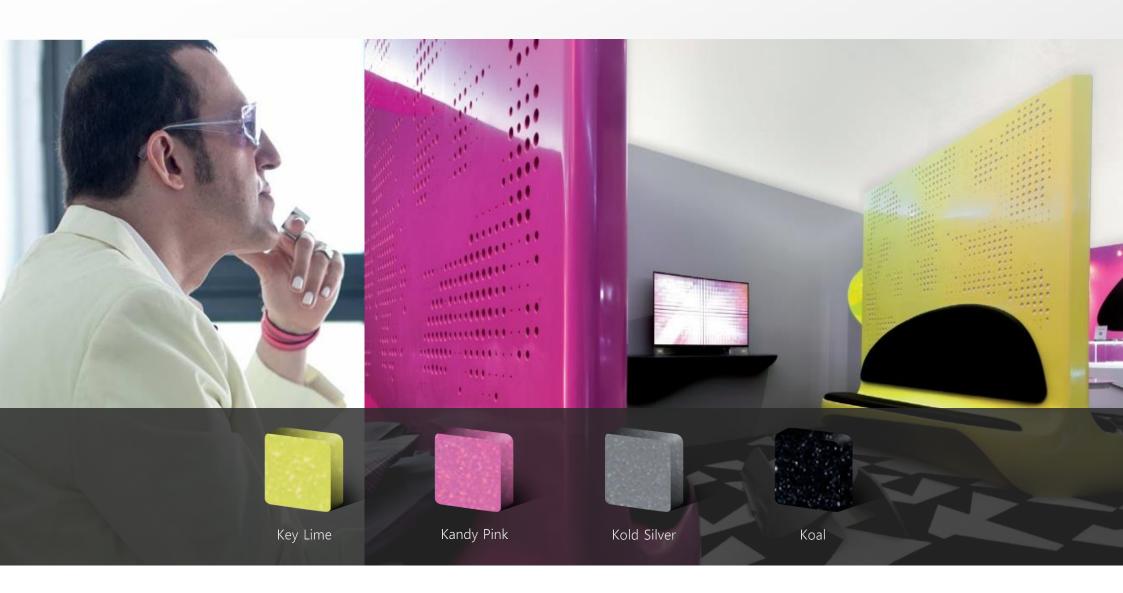
Marcel Wanders





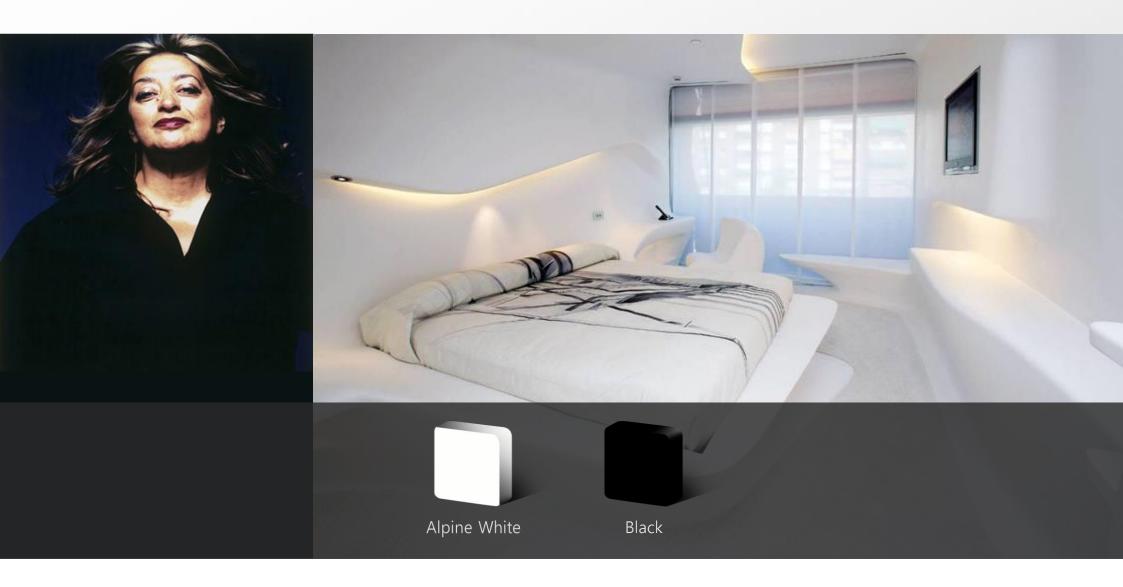
Milan Design Week 2014 "Sparkle Krib"

Karim Rashid



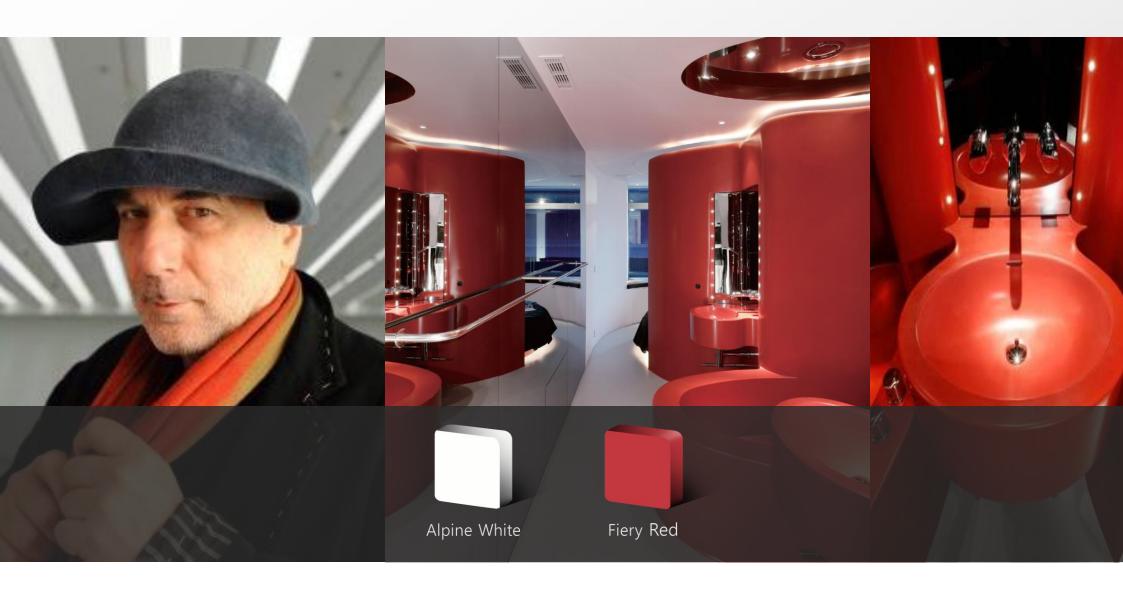
Hotel Puerta America, Spain

Zaha Hadid



Hotel Puerta America, Spain

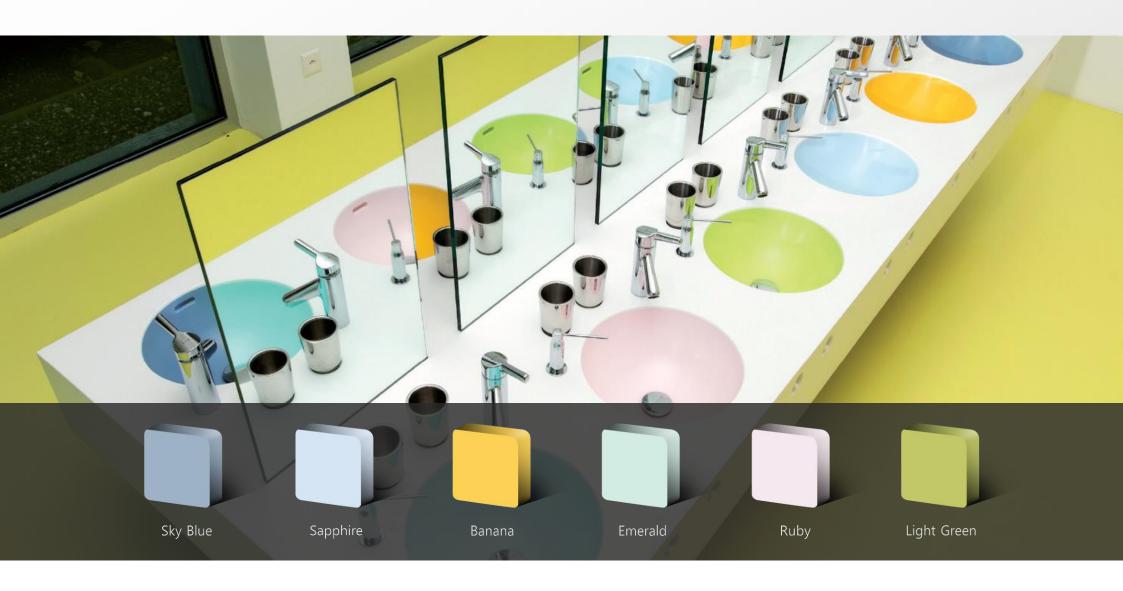
Ron Arad





Kindergarten, Switzerland

Herrmann Flavio, Switzerland





Three-way speaker system, Germany

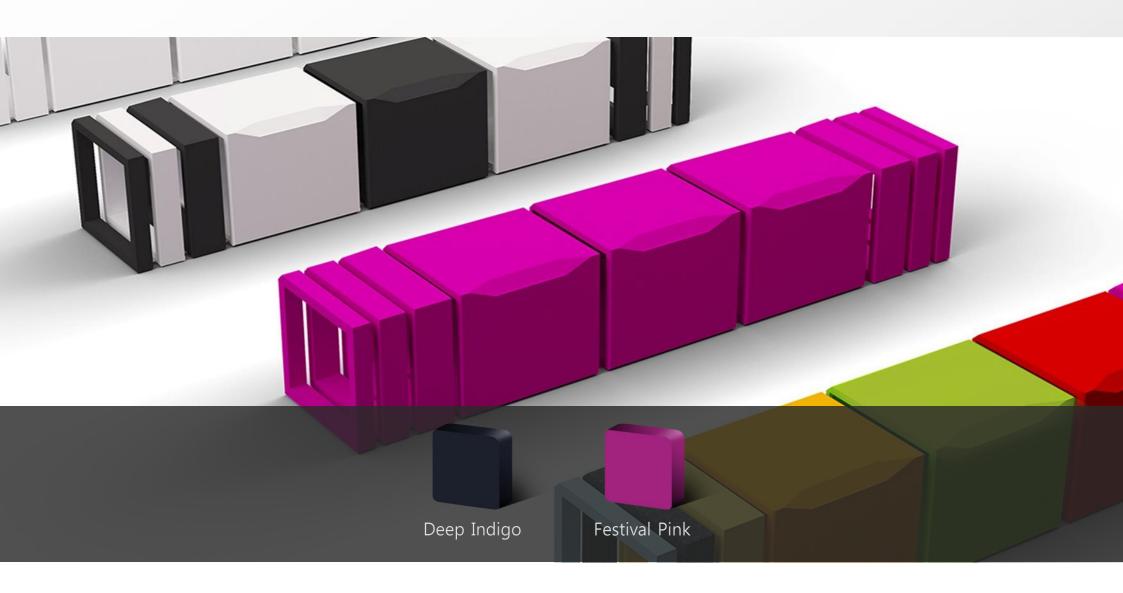
Jens Burmeister & FH Potsdam





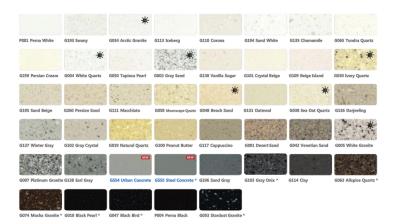
Stone Bench, Digiplay

Christophe MAYER

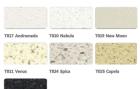


Colors

Granite









Volcanics



Marmo



Solid



Lucent



Lucia



Concrete Collection

The product line embodies the rough texture of raw concrete with the smooth finish of HI-MACS®, Available in five shades of concrete inspired from modern industrial architecture, they can be used in any applications, such as wall covering, kitchens and bathrooms, adding a special ambience to the space.



- Suitable for exterior use. Please check conditions about level of suitability and warranty per color.
- P Design by Dutch Designer Marcel Wander

- ** Lucent colors have a higher level of translucency, more evident when combined with light sources.
- 59 As Marmo is a randomly veined product, specific fabrication guideline need to be followed. Ask your sales partner for more information.







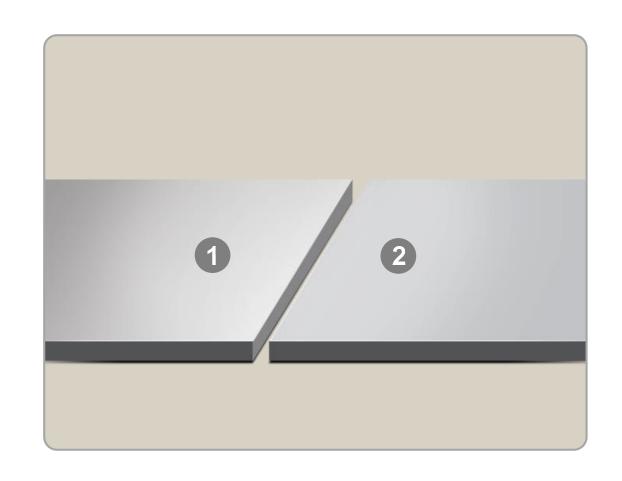


Prepare two pieces of HI-MACS®

Joint Bonding

Clamp the assembly and dry

Sanding





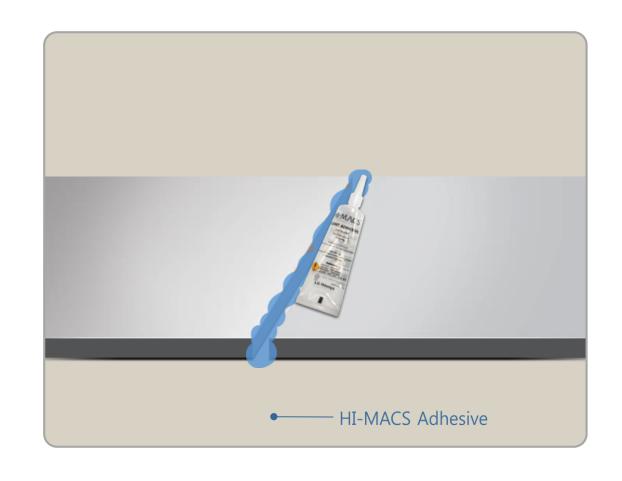


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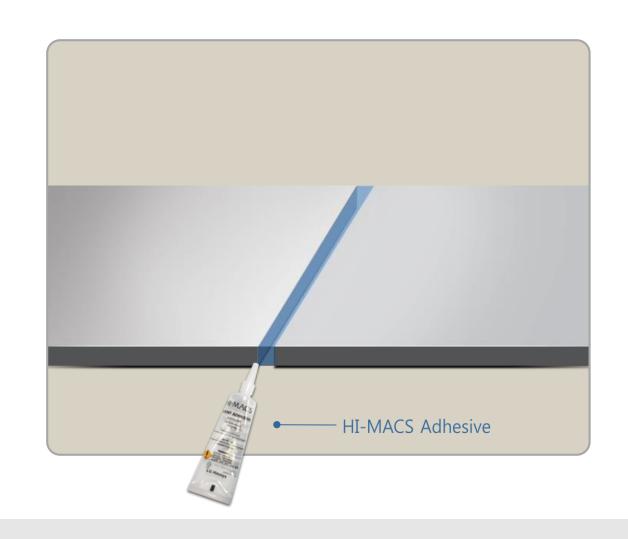


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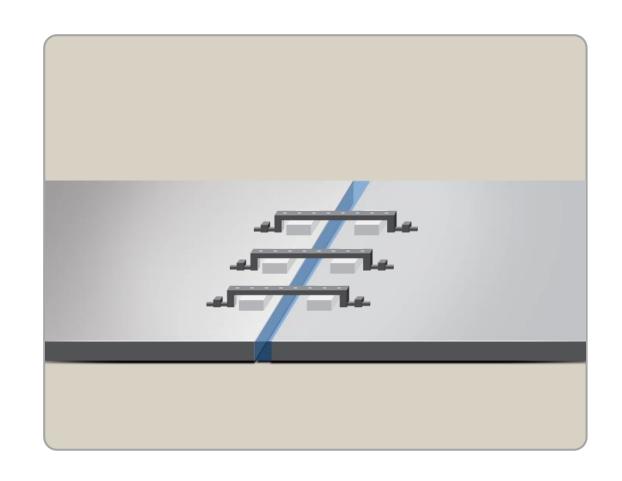


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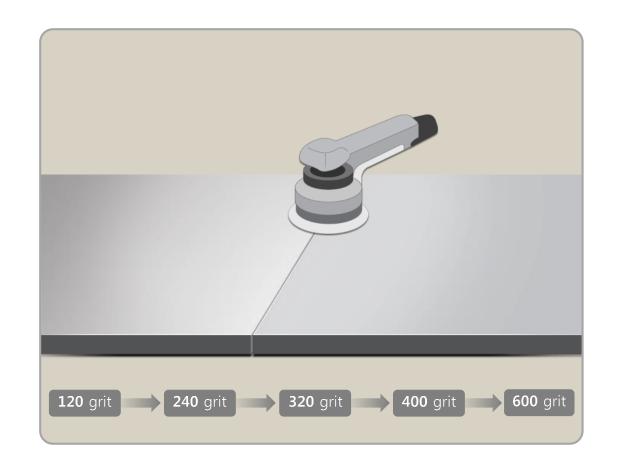


Prepare two pieces of HI-MACS®

Joint Bonding

Clamp the assembly and dry

Sanding





Prepare two pieces of HI-MACS®

Joint Bonding

Clamp the assembly and dry

Sanding







Expromt Dominion

Designed by Zaha Hadid, Location : г. Москва, HI-MACS® Black





Dongdaemun Design Plaza

Designed by Zaha Hadid, Location : Seoul, Korea, HI-MACS® Alpine White





Laurenskerk Alkmaar

Designed by OPERA Amsterdam, Location: Alkmaar, The Netherlands, HI-MACS® Black

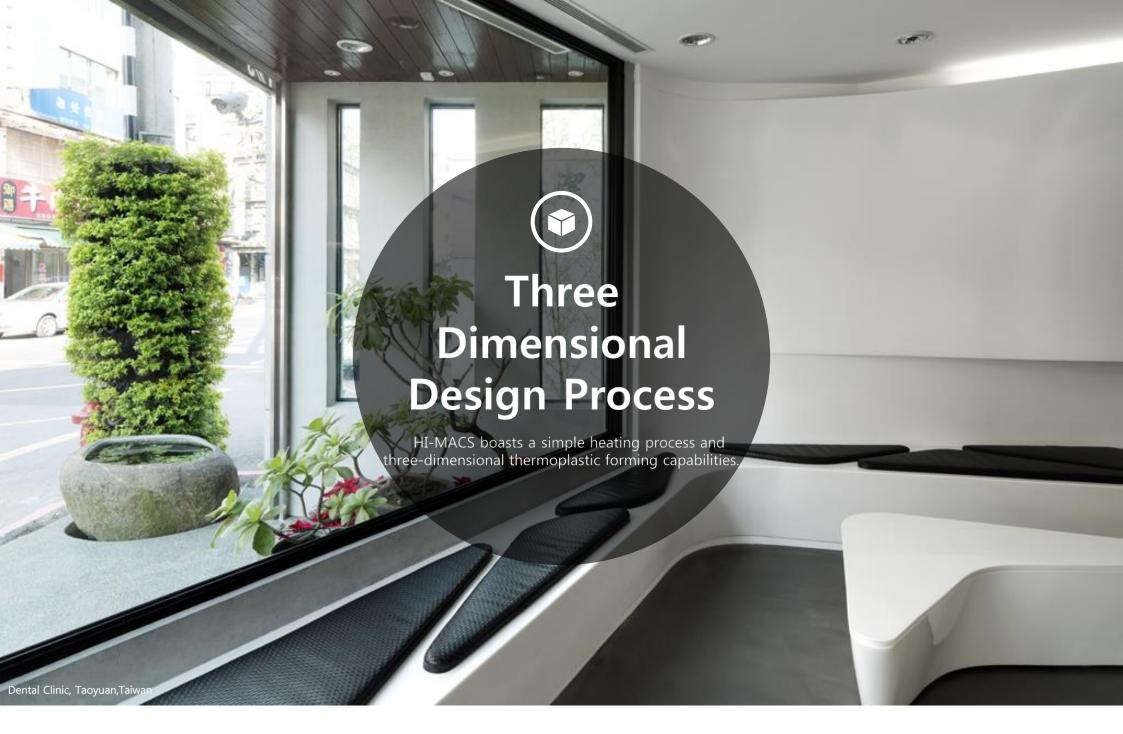




Shanghai Disney Children's Park

Designed by XianDai Architectural, Location: Shanghai, China, HI-MACS® Fiery Red







Three Dimensional Design Process



Disassemble drawing for mould production

Mould production

Preheating HI-MACS

Vacuum pressing

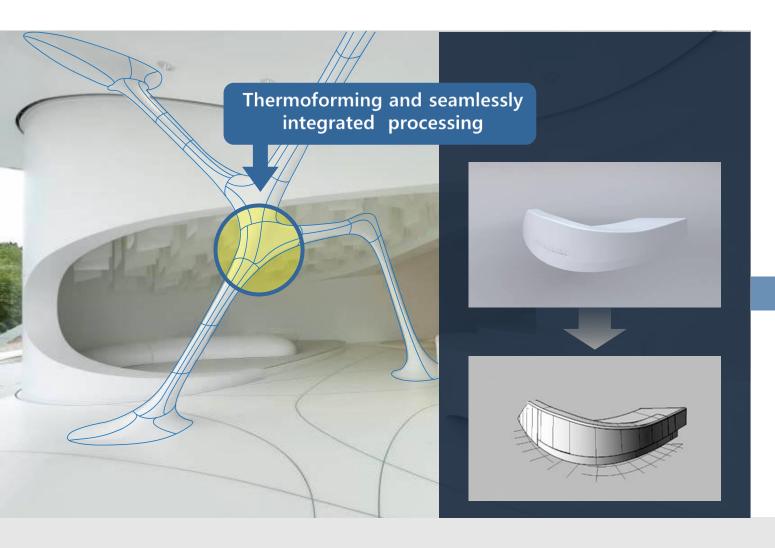
Gluing and sanding

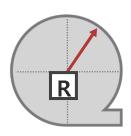


1. Disassemble Drawing for **Mould Production**









Possible achievable minimum radius:

• 12 mm : 2D

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

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

Granite



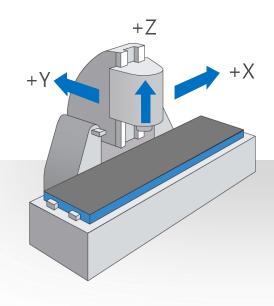
2-1. Mould production

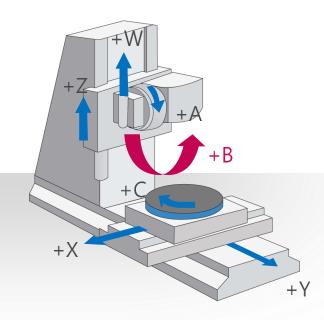




CNC Machine (3 Axis)

CNC Machine (5 Axis)





* CNC : Computer Numerical control







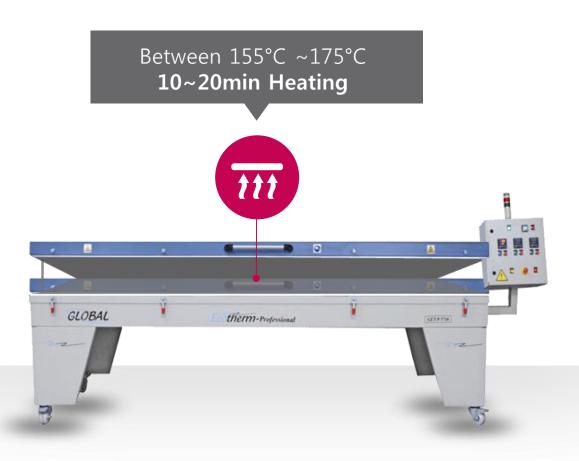
* CNC : Computer Numerical control



3. Preheating HI-MACS

Before heating, rebate all edges or put a radius on all edges.





* Heating temperature should never exceed 200°C

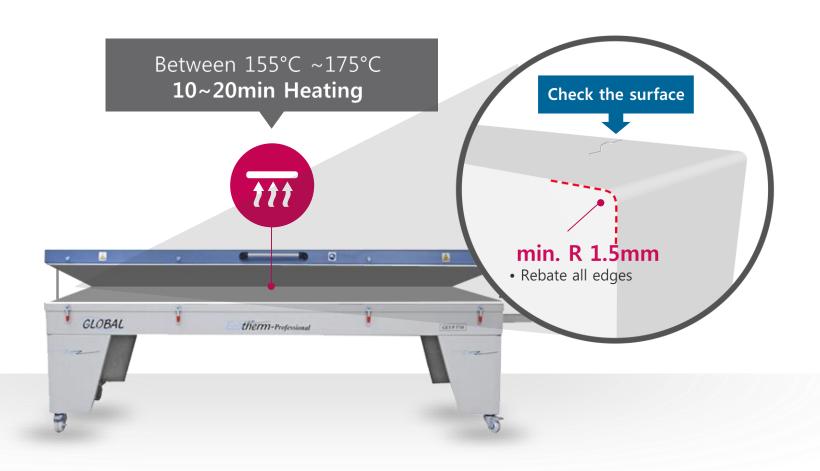


NEXT >

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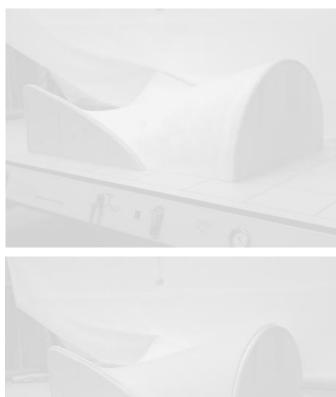
* Heating temperature should never exceed 200°C



Three Dimensional Design Process

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





* There may appear to be a color difference when working with dark or highly pigmented colors.



4. Vacuum pressing

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



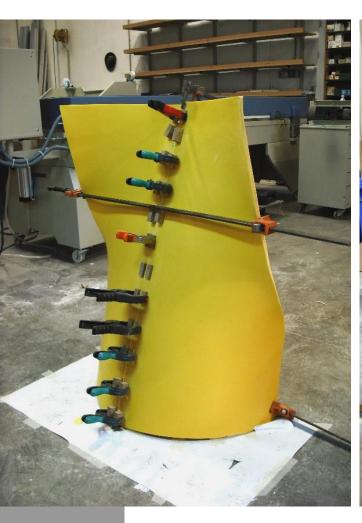






5. Gluing and sanding



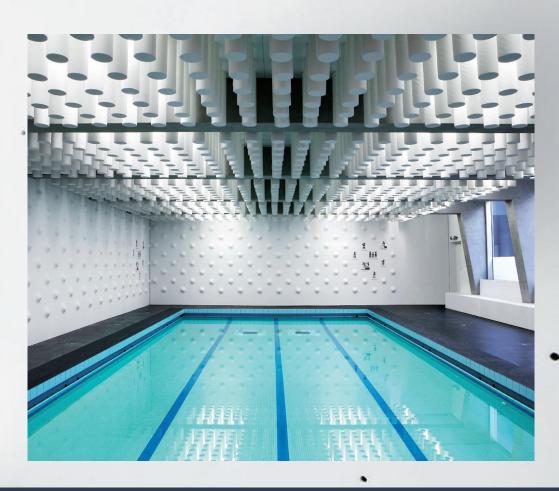












Swimming Pool, France

Designed by Urbane Kultur Architectes, Fabrication : ADJ, France, adj.fr HI-MACS® Alpine White





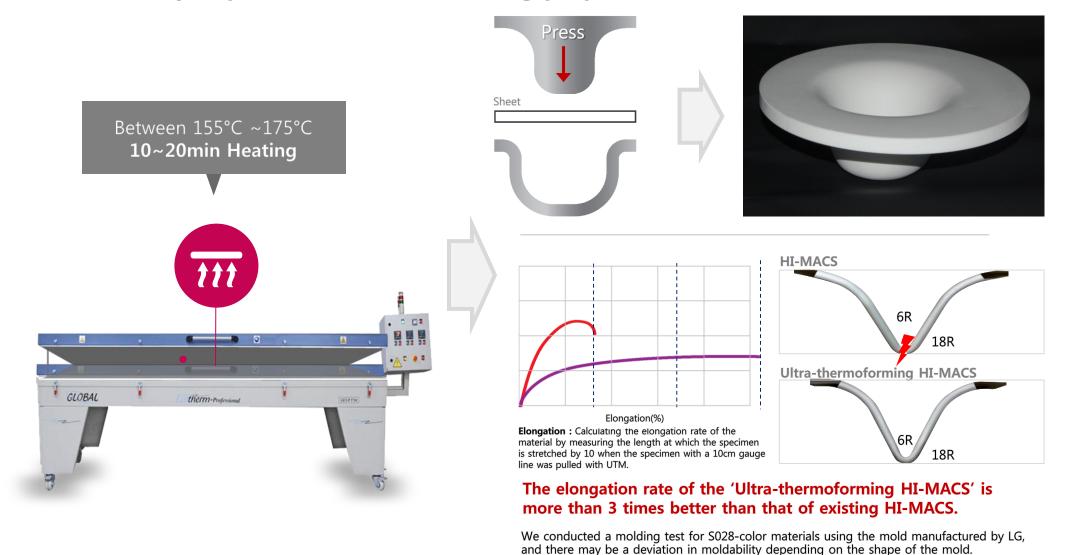
Gmünd train station, Germany

Designed by preiswerk marek architekten, Switzerland, 5D Engineering HI-MACS® Alpine White



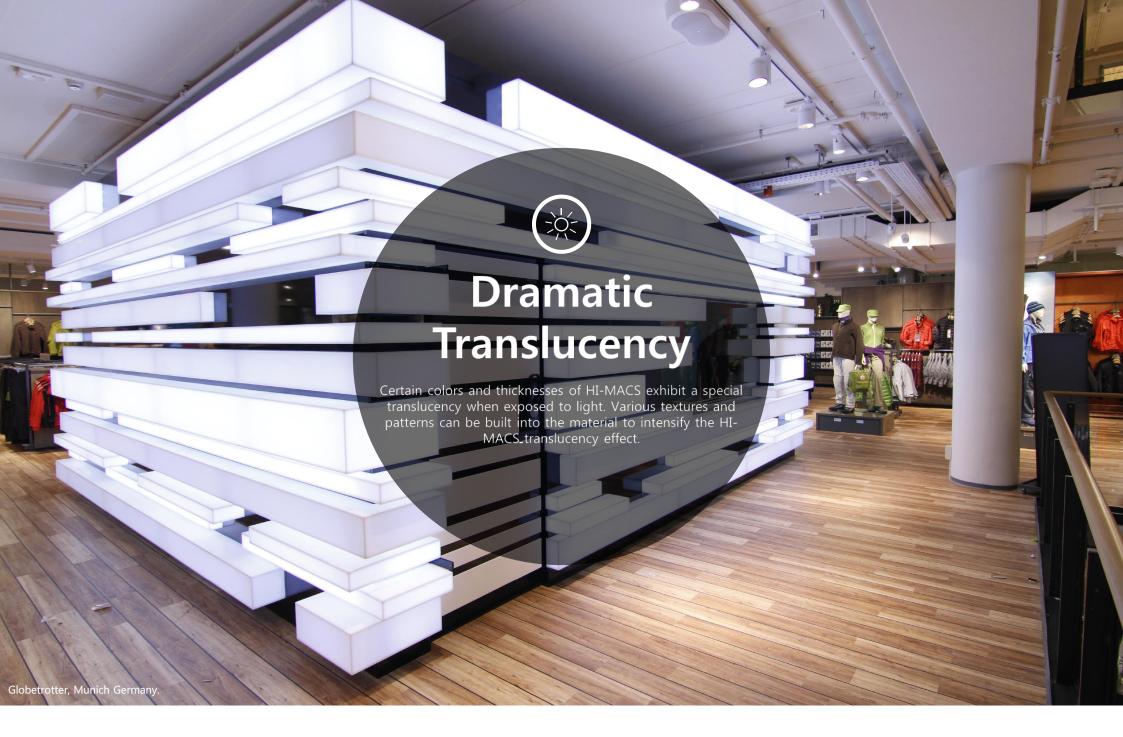
Ultra-thermoforming HI-MACS

We dramatically improved the thermoforming properties of Solid Surface





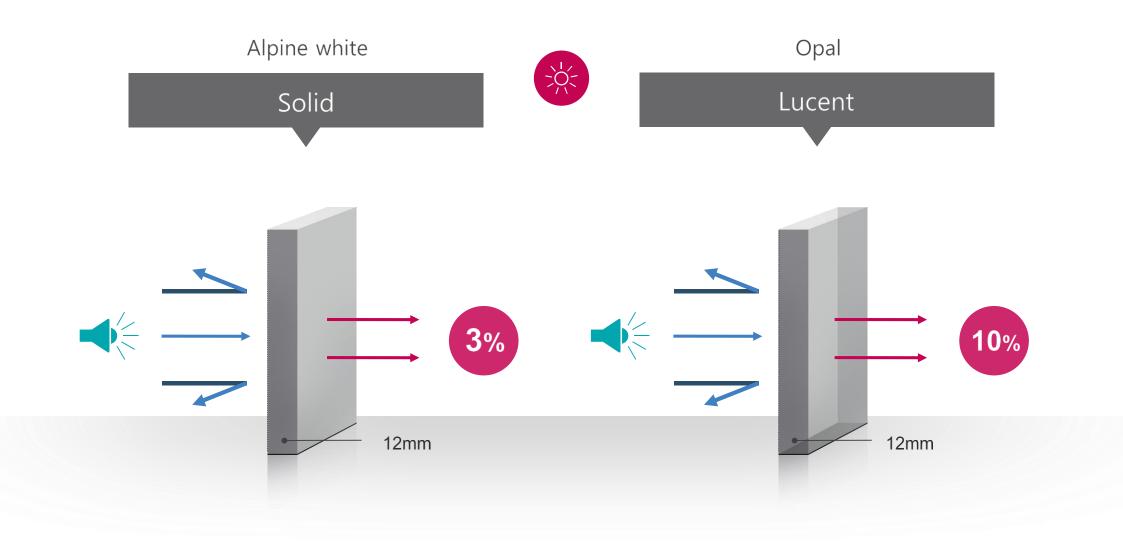
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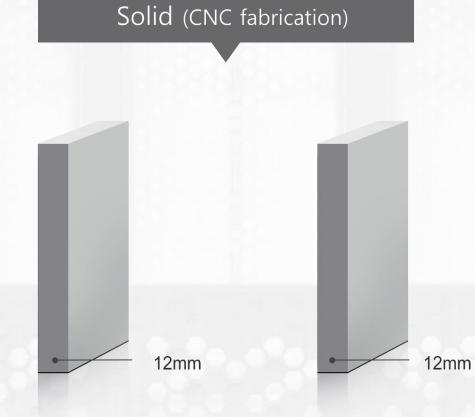






Solid vs Lucent



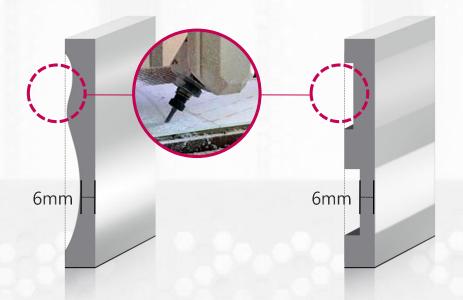






Solid vs Lucent

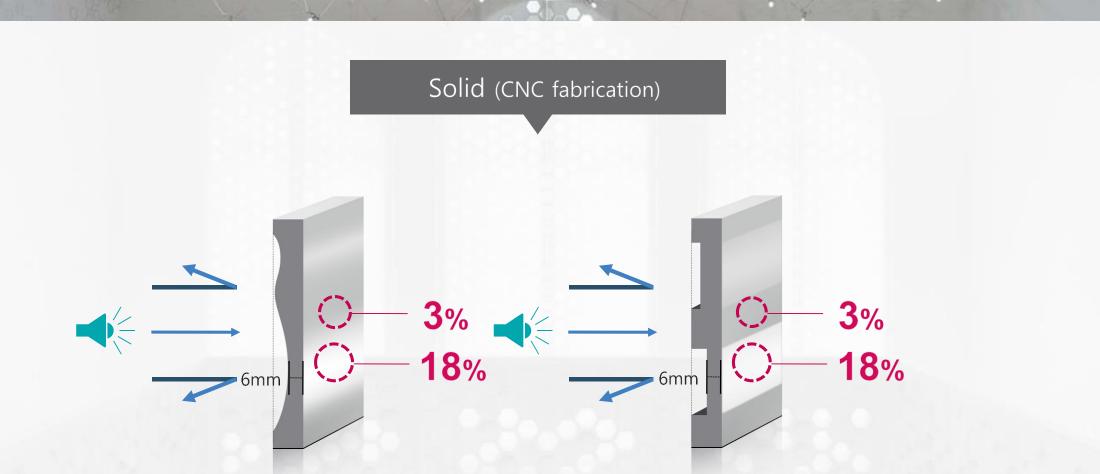
Solid (CNC fabrication)



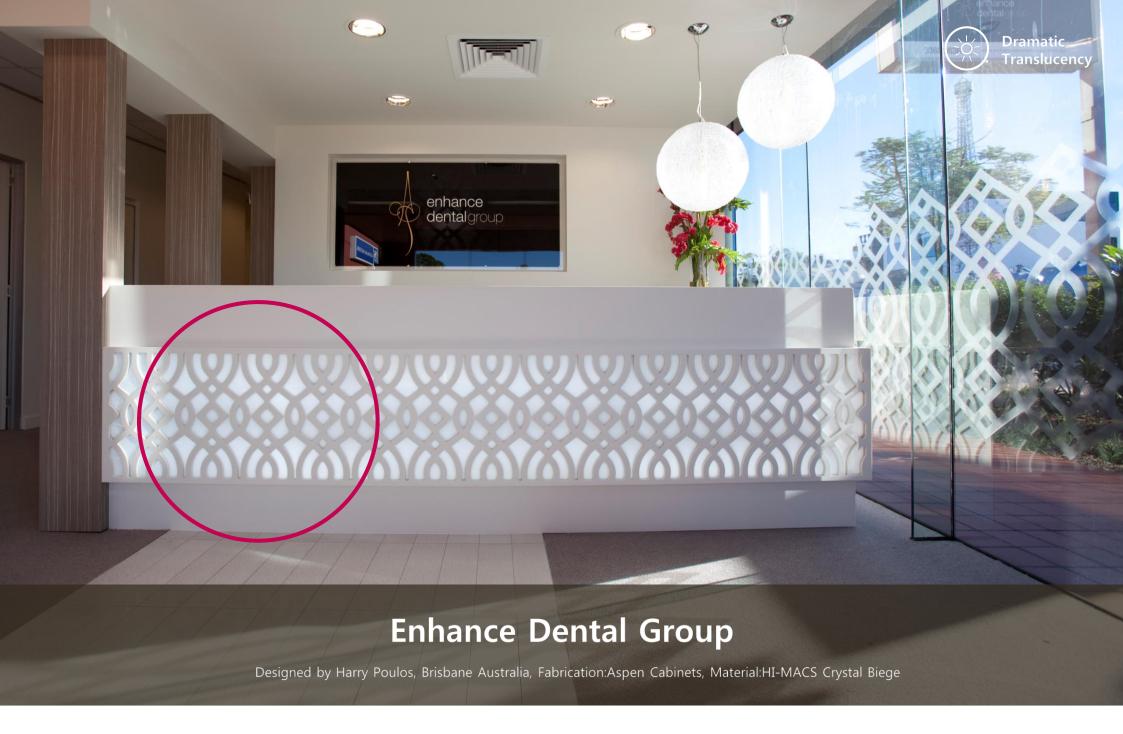


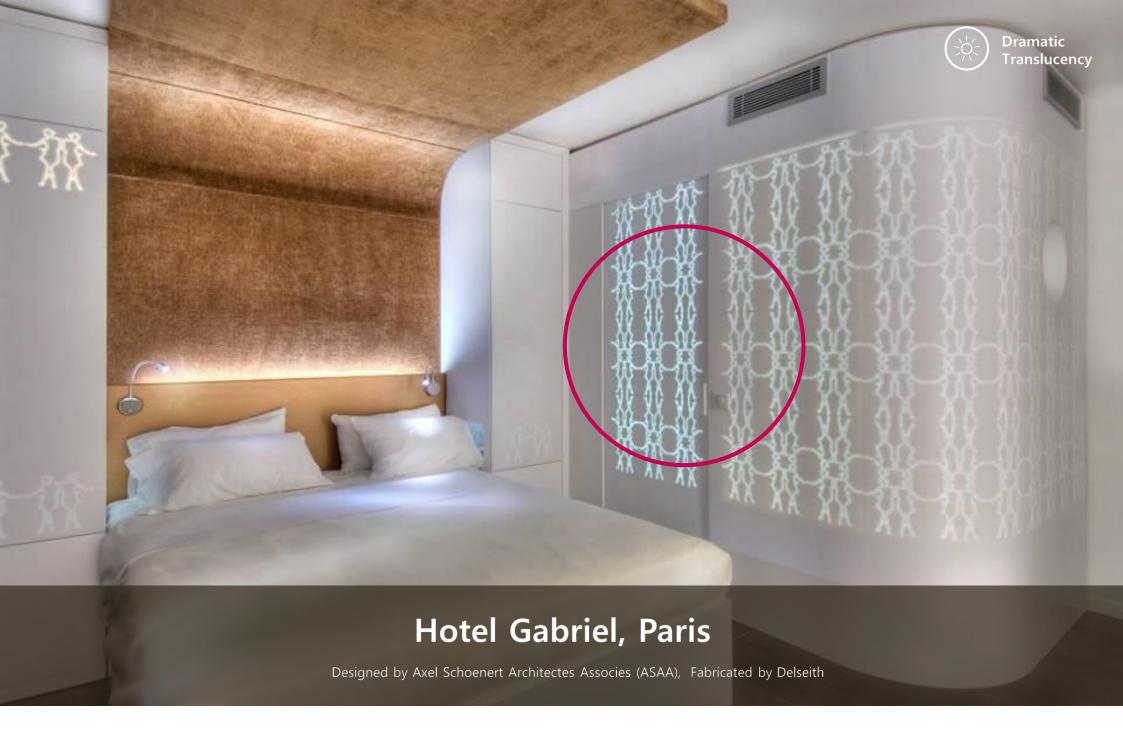


Solid vs Lucent















M2 Cafe Bar, Germany

Designed by Bredt und Partner GbR, Fabrication : Teamplan Josef Mayer GmbH HI-MACS® Alpine White



For more design inspiration



