Certified Quality.
Because safety
is our first priority.

HI-MACS®

CERTIFICATION OVERVIEW

LG Hausys

HI-MACS®
Natural Acrylic Stone

BECAUSE
QUALITY
WINS

Environmental Certifications

Ministry of Environment of the Republic of Korea designates HI-MACS® as environmentally-friendly thanks to the demonstration of its commitment to ecological awareness in its Product management activities.

Environmental Building Certificate – Grade "outstanding" designates HI-MACS® as environmentally-friendly thanks to the demonstration of its commitment to ecological awareness in its Product management activities.

ISO 14001 The ISO 14000 family concerns the management of environmental quality. It encourages the minimisation of damage caused by our own activity to the environment and the continuous improvement of Environmental performance.

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Environmental Certifications

Leadership in Energy and Environnemental Design (LEED)
Designates HI-MACS® as environmentally-friendly thanks to the demonstration of its commitment to ecological awareness in its Product management activities.

Greenguard
HI-MACS® has been approved by Greenguard in the USA, as a "low emitting product". The organisation establishes acceptable indoor air standards for indoor products, environments and buildings.

M1
The Finnish M1 classification presents emission requirements for building materials used in office and residential buildings with respect to good indoor air quality.

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Environmental Product Verifications

DGNB

BREEAM®
delivered by bre

German Sustainable Building Council (DGNB)
HI-MACS® 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.

BREEAM (Building Research Establishment Environmental Assessment Method)

HI-MACS® can contribute to BREEAM International New Construction 2016 certification, as the entire product complies with Hea 02 Indoor air quality. Furthermore, HI-MACS® achieved RSCS summary score level in Mat 03, responsible sourcing of construction products for the entire product: RSCS level 1.

*Product Verification documents available at the website´s Partner Section

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Fire Resistance

Class M1

**Norm NFP 92-501
Class M1**

LNE tests the reactivity to fire of a material. Class M1 certifies that HI-MACS® FR benefits from advanced resistance to fire. **This certificate is recommended in France.**

Valid for Alpine White S028, S728 CE MED, S828 UV+, Aster, Volcanics and Lucia Collections. All Solid Range under testing.

Class B-s1-d0

**Norm EN 13501,
Class B-s1, d0**

HI-MACS® successfully passed the **European** test EN 13501 – Class B-s1, d0, equivalent to the class 0 from Warrington Fire certification.

Valid for HI-MACS® FR S728, UV+ S828, Ultra-Thermoforming S928, Solid, Sand, Pearls, Quartz, Granite and Volcanics.
*Intense Ultra range result: C-s1, d0.

Class B1

**Norm DIN 4102-1
Class B1**

Class B1 certifies that HI-MACS® has a low flammability. B1 class is the **European fire Resistance** requirement. This test result is valid for all colour ranges in 12mm.

Fire Resistance

EN 45 545

CLASS R1 HZL3

Fire protection on railway vehicles
Norm EN 45 545
Class R1 HZL3
The measures and requirements specified in EN 45 545 are intended to protect passengers and staff in railway vehicles in the event of a fire on board.
HI-MACS® has achieved the highest and best performance R1 HZL3 (Hazard Level)

Valid for Alpine White S728

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HI-MACS Exteria®

ETA
Fixed with Keil inserts and a BWM structure, HI-MACS® facade in S728 Alpine White successfully passed the ETA tests (European Technical Agreement).
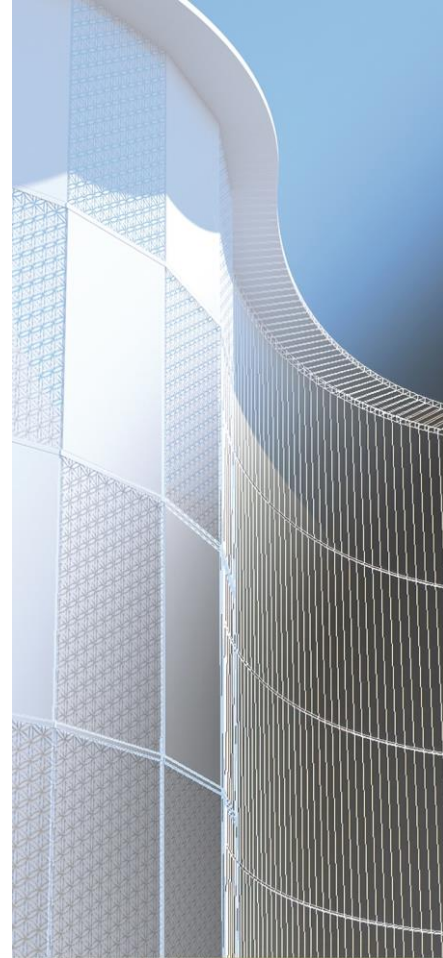
Valid for HI-MACS®-FR S728

CSTB
HI-MACS® by LG Hausys has obtained the French QB certification and CSTB Atec "Avis Technique" for façade applications in S828 Alpine White.
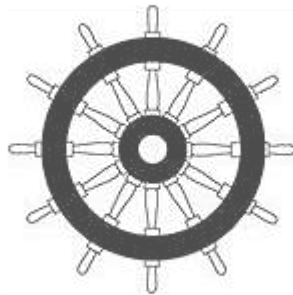(Avis Technique 2.2/18-1795_V1).

Valid for HI-MACS®-UV+ S828

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HI-MACS® Alpine White S728 CE MED

IMO MED – Module B and D

MED stands for Marine Equipment Directive.
Both modules are extremely important for the
shipbuilding industry, as they are mandatory
for fabrication materials used in ships.
IMO B covers the fire resistance of the material
per se and certifies that the material has low flame
spread characteristics and is not capable of producing
excessive quantities of smoke and toxic combustion
products.
Module D covers the overall production capacity
and checks, among other production processes,
the management and systems used.

Valid for HI-MACS®-FR S728 CE MED

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Hygiene

NSF
NSF standards are generally accepted norms for a variety of public health related industries and fields.
These include drinking water treatment and contact with materials, food equipment manufacturing etc. NSF recognises that HI-MACS® complies with NSF norms.

LGA
Necessary in hospitals and environments where hygiene is critical, LGA assesses the ease of cleaning, resistance to bacteria and fungi and rates the design from a hygiene point of view. Thanks to its non-porosity, HI-MACS® has been approved for the LGA seal "hygiene tested"..

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