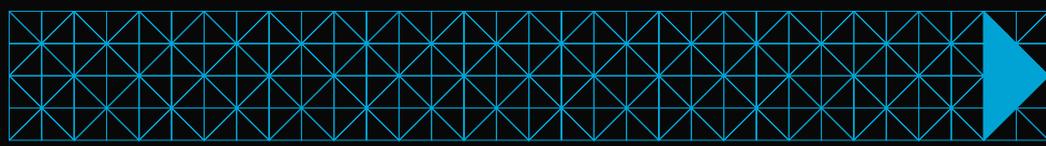


HI-MACS®
ACRYLIC SOLID SURFACE



**DESIGN
WITHOUT
COMPROMISE**

HI-MACS®
Acrylic Solid Surface

 **LG Hausys**


GUNNERSEN

DESIGN WITHOUT COMPROMISE 

In this image, HI-MACS is used as an interior cladding.
GUANGZHOU OPERA HOUSE CHINA Material: HI-MACS Alpine White



HI-MACS[®]
Acrylic Solid Surface

DESIGN
FREEDOM
&

flexibility

The freedom to innovate: with a material that is as flexible as your imagination.

HI-MACS is a dream product for designer, builder and home owner alike. Long lasting, hygienic, durable and elegant in a range of colours and styles suitable for every application.



good ideas
need a material
to transform
them into reality

HI-MACS[®]
Acrylic Solid Surface



HI-MACS allows
the fusion of art and
architecture with a
product that brings
new possibilities
to revolutionise the
way we create.

04 Why choose HI-MACS?

06 Hospitality, Restaurants & Cafes

08 Commercial, Public Building, Education & Healthcare

10 Residential, Kitchen & Bathroom

12 Warranties, Care & Maintenance

14 The HI-MACS Range

17 Helping ideas take place

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.



WHY CHOOSE 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.

HI-MACS is an advanced non-porous, highly versatile decorative surface material suitable for high wear areas such as kitchens, laboratories and hotels. It is available in a wide range of colours and patterns.

APPLICATIONS

- ▶ KITCHEN BENCHTOPS
- ▶ VANITY TOPS
- ▶ RETAIL COUNTER TOPS
- ▶ SHOPFITTING
- ▶ RESTAURANT AND CAFÉ TABLES
- ▶ COMMERCIAL FOOD PREPARATION AREAS
- ▶ RECEPTION COUNTERS AND OFFICE DESKS
- ▶ LABORATORY BENCHTOPS
- ▶ INTEGRATED SINKS, BATHS AND SHOWER UNITS
- ▶ WALL CLADDING/CABINERY
- ▶ MOULDINGS/SILLS



PORSCHE MUSEUM
GERMANY

Material: HI-MACS Alpine White

features

ADVANCED TECHNOLOGY

HI-MACS has been developed by LG Hausys using advanced polymer resin technology. The acrylic resins act as a reinforcing agent, adding extra strength while creating a non-porous surface that can be repaired if scratched or chipped.

FLEXIBLE DESIGN

With HI-MACS any shape can be achieved. Design boundaries are meant to be surpassed and HI-MACS pushes them further than could ever be imagined. HI-MACS can be crafted into crisp angles or soft curves to suit classic or contemporary design styles and offers a warmth that is inviting to the touch. HI-MACS allows for seamless joins giving every surface a sleek, smooth finish. It can be crafted into any shape to achieve the sharpest lines or the softest curves.

COLOUR

HI-MACS offers an infinite number of design possibilities with a wide variety of colours and patterns. HI-MACS is the material for designers and architects around the world.

DRAMATIC TRANSLUCENCY

HI-MACS has a natural translucency, especially with the lighter colours, and is often used by designers to create unique lamps and lighting options. The HI-MACS Lucent range brings enhanced translucency to your designs.

SEAMLESS PERFECTION

HI-MACS is joined using a special adhesive to produce a seamless look. This enables the creation of large island units and long work surfaces that appear to have been made from a single piece of HI-MACS.

SIMPLE CARE & MAINTENANCE

HI-MACS is easy to clean and care for. Unlike other surfaces HI-MACS does not absorb spillages or food odours, leaving surfaces hygienically clean for the life of the countertop. Easily cleaned with warm water and a non-abrasive household cleaner. Please refer to the HI-MACS care and maintenance brochure for further information.

REPAIRABLE

HI-MACS not only offers design flexibility, but provides a number of maintenance advantages as well. This non-porous material is both stain and impact resistant, providing greater durability than traditional materials. Should it become damaged it can be easily repaired if scratched or chipped.

ENVIRONMENTALLY FRIENDLY

HI-MACS is Green Guard Indoor Quality Certified for schools and living environments. In addition this product may contribute to the achievement of Green Star credit points. Please see back page for more details.

HI-MACS COMPARISON TABLE

FINISHING MATERIAL	REPAIRABLE	SEAMLESS JOINS	DESIGN FLEXIBILITY	STAIN REPELLENT	NON POROUS EASY TO CLEAN
HI MACS	✓	✓	✓	✓	✓
Tile	✓	✗	✗	✗	✗
Natural Stone	✗	✗	✗	✗	✗
Engineered Stone	✗	✗	✗	✓	✓
Laminate	✗	✗	✗	Neutral	Neutral

HOSPITALITY, RESTAURANTS & CAFÉS



What qualities do you need to make a statement in the most fashionable hotels, restaurants and clubs?

The answer is perfectly obvious.

express you



RESTAURANT DESTINO 56
 SPAIN
 Materials: HI-MACS
 Alpine White, Coffee Brown

FLEMINGTON RACECOURSE
 VICTORIA, AUSTRALIA
 Material: HI-MACS Black Granite

S CAFÉ AKMERKEZ
 TURKEY
 Material: HI-MACS Alpine White



NEVAI HOTEL
 SWITZERLAND
 Material: HI-MACS
 Arctic White

HOTEL PUERTA AMERICA
 SPAIN
 Materials: HI-MACS
 Alpine White, Black

rsel

WITH STYLE

**CLASS, ELEGANCE AND DESIGN
 POSSIBILITIES THAT ENCOURAGE
 DESIGNS BEYOND THE ORDINARY.**

HI-MACS enables designers and architects the freedom to create any visual statements they can conceive thanks to the diverse properties of the material. With HI-MACS the possibilities are endless, the results breathtaking!



**CREATIVITY
 WITHOUT LIMITS**

COMMERCIAL, PUBLIC BUILDING, EDUCATION & HEALTHCARE

designed



RAIFFEISEN BANK ZÜRICH
SWITZERLAND
Material: HI-MACS Alpine White



MEDIA LIBRARY
FRANCE
Material: HI-MACS
Alpine White



BERNARDO
TURKEY
Material: HI-MACS
Alpine White



MUSEO DE VILLA ROMANA LA OLMEDA
SPAIN
Material: HI-MACS Alpine White



HIDROSALUD OFFICES
SPAIN
Material: HI-MACS
Arctic White

DEVENTER THEATER
NETHERLANDS
Material: HI-MACS Alpine White



**FORM AND FUNCTION IN A
SINGLE PRODUCT**

to stand out

...MAGNIFICENTLY

Durable, functional and hard working, are all qualities that HI-MACS brings to every application. Able to withstand the demands of high traffic, high demand environments, without any compromise on creativity.

**IN OUR WORLD FULL OF
COMPROMISE IT IS REFRESHING
TO DISCOVER A PRODUCT THAT
STANDS UP TO THE CHALLENGES
AND EXCELS IN EVERY APPLICATION.**

HI-MACS regularly undergoes all of the relevant product tests and carries all the required certificates so that you know HI-MACS is a product you can rely on.



ZARA
LONDON, UNITED KINGDOM
Material: HI-MACS Toffee Brown

RESIDENTIAL, KITCHEN & BATHROOM

PIATTI KITCHEN
SWITZERLAND

Material: HI-MACS Jasmine Green



Your home is a place to appreciate
the finer things in life.

excellence

COMES HOME

**START IN THE KITCHEN WITH THE CONFIDENCE OF A MATERIAL
THAT INSPIRES THE SENSES OF BEAUTY AND STYLE WHILST
BEING STRONG, DURABLE, HYGIENIC AND SUPREMELY FLEXIBLE.**

HI-MACS is a non-porous surface ideal for working with food, even common chemicals cannot harm the material. Used on horizontal and vertical applications in a range of colours to let your imagination run free.

With an extensive range of colours and finishes, HI-MACS is simply meant for the home. The warm, pleasing feel of the material wins you over from the very first touch. And its ease of care comes free of charge!



RESIDENTIAL KITCHEN
SWEDEN

Material: HI-MACS Alpine White

CREATE A SPACE FOR TOTAL ENJOYMENT WITH HI-MACS



RESIDENTIAL KITCHEN
MELBOURNE, AUSTRALIA
Material: HI-MACS Shasta



RESIDENTIAL KITCHEN
ADELAIDE, AUSTRALIA
Material: HI-MACS Perna White



RESIDENTIAL KITCHEN
MELBOURNE, AUSTRALIA
Material: HI-MACS Taos



RESIDENTIAL KITCHEN
ADELAIDE, AUSTRALIA
Material: HI-MACS Arctic Granite

WARRANTIES / CARE & MAINTENANCE

INTERNAL USE

HI-MACS 10-YEAR LIMITED WARRANTY

LG Hausys expressly warrants that it will repair or replace this product, free of charge if it fails due to any manufacturing defect in materials or workmanship during the first 10 years after initial installation.

The warranty is extended only to the original purchaser and may not be transferred or assigned. A purchase receipt or other proof of date of original purchase will be required before warranty service is rendered. LG Hausys' obligation is limited solely to the repair or replacement of the products purchased hereunder, including reasonable and necessary labour changes.

See full warranty for details at: www.hi-macs.com.au

EXTERNAL USE

HI-MACS 5-YEAR LIMITED WARRANTY

LG Hausys expressly warrants that it will repair or replace this product, free of charge if it fails due to any manufacturing defect in materials or workmanship during the first 5 years after initial installation.

This warranty applies to external use for the following HI-MACS colours in 12mm thickness only:

COLOUR	CODE
Alpine White	S28
Arctic Granite	G34
Beach Sand	G48
Confetti Quartz*	G41
Cream	S09
Gray Sand*	G02
Ivory Quartz*	G30
Sea Oat Quartz	G38
White Quartz	G04
White Granite*	G05

*Denotes a colour from the International Range

Test results have established that in an external application, these colours will show the least amount of colour change.

HI-MACS FINISHES

The final finish of your HI-MACS surface can be a matt, satin, semi-gloss or high-gloss, or any level of sheen you prefer.

The finish selected will also determine how you care for the surface in order to retain its original finish. Matt finishes and lighter colours require a moderate level of maintenance whereas dark colours and gloss finishes require a higher level of care. Your certified fabricator can assist you to decide on the colour and finish option best suited for your application.

CLEANING

While everyday spills can be removed using a damp cloth and a general purpose cleanser (Ajax Spray n' Wipe), stubborn marks such as food dye and fruit drinks may require more rigorous cleaning methods. These items can be removed using bleach diluted 1:1 (1 part water: 1 part bleach) followed by a general purpose cleanser (Ajax Spray n' Wipe). However, bleach should only come in contact with the surface for a maximum of two minutes.

STAIN RESISTANCE

CLASSIFICATION	RESULT
Water based marking pen (black), coffee, tea, scotch, milk, distilled liquor, edible oil, urine, iodine fluid (10%), etc	Easily removed with water
Crayon, lipstick, water marking pen (red), etc.	Removed with neutral detergents
Oil based marking pen, eye liner pencil, etc.	Removed with cleanser

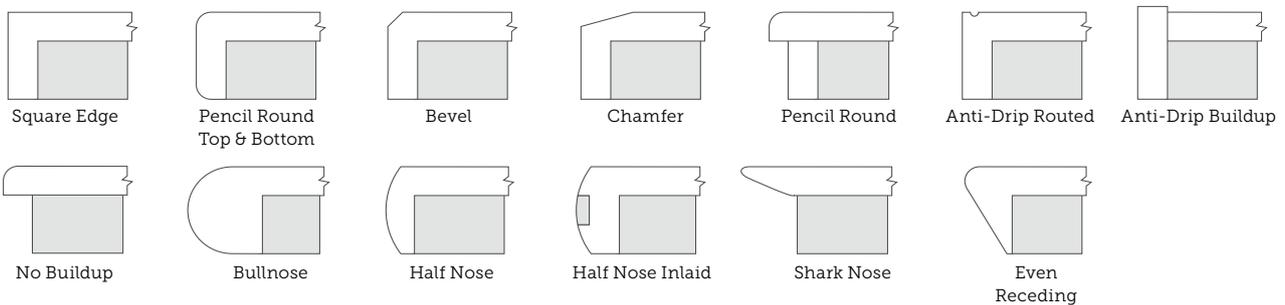
HI-MACS SPECIFICATIONS

WHEN SPECIFYING YOUR HI-MACS SURFACE BE SURE TO COMPLETE YOUR DOCUMENTATION AS BELOW TO ENSURE YOU RECEIVE THE QUALITY GUARANTEED HI-MACS PRODUCT YOUR PROJECT DEMANDS.

Surfacing shall be HI-MACS Solid Surface of a nominal thickness of 12mm, as supplied by Gunnersen Pty Ltd.
Colours and/or patterns shall be _____ (colour) _____ (code) _____ (finish).

EDGE TREATMENTS

These are just some of the design possibilities available for edge detail.



SIZE		
LENGTH	WIDTH	THICKNESS
3680mm	760mm	12mm
2490mm	760mm	6mm*

HI-MACS FR
The HI-MACS FR series has been developed with enhanced fire retardant properties and has obtained IMO certification. Available in a range of five colours (Alpine White, Grey, Arctic White, Ivory White & Nougat Cream). Contact your branch to discuss your requirements.

CHEMICAL RESISTANCE			
CLASSIFICATION	CHANGE	CLASSIFICATION	CHANGE
Hydrochloric Acid (20%)	0%	Methyl Alcohol	0%
Sulphuric Acid (20%)	0%	Toluene	0%
Ammonia (28%)	0%	Xylene	0%
Sodium Hydroxide (40%)	0%		

*Available in a limited range of colours.

PHYSICAL PROPERTIES									
PROPERTY	TEST	UNIT	TEST						
			SOLID	SAND/PEARL GRANITE/PERNA	VOLCANICS	VOLCANICS NATURAL	LUCENT	MARMO	GALAXY
Specific Gravity	ASTM D 792		1.70±0.05	1.67±0.05	1.67±0.05	1.67±0.05	1.67±0.05	1.67±0.05	1.67±0.05
Rockwell Hardness	ASTM D 785		≥90	≥88	≥88	≥90	≥90	≥88	≥90
Barcol Hardness	ASTM D 785		63±3	61±3	61±3	61±3	61±3	61±3	61±3
Tensile Strength	ASTM D 638	MPa	44.1	40.1	27.9	30.9	35.6	33.3	35.7
Tensile Modulus	ASTM D 638	GPa	9.86	9.41	8.24	9.37	9.84	9.71	9.12
Flexural Strength	ASTM D 790	MPa	77.1	68.6	58.6	41.3	66.1	40.2	45.2
Flexural Modulus	ASTM D 790	GPa	9.29	8.93	8.07	8.64	8.18	7.17	8.40
Izod Impact Strength	ASTM D 256	KJ/m ²	5.6	4.8	3.4	5.9	5.8	5.5	3.6
Pencil Hardness	KS D 6711	H	≥6	≥6	≥6	≥6	≥6	≥6	≥6
Water Absorption	ASTM D 570	%	≤0.035	≤0.040	≤0.040	≤0.018	≤0.028	≤0.018	≤0.019
Heat Distortion Temp	ASTM D 648	°C	≥104	≥102	≥100	≥100	≥104	≥99	≥99
Thermal Expansion	ASTM D 696	1/°C	≤3.5*10 ⁻⁵	≤3.8*10 ⁻⁵	≤3.8*10 ⁻⁵	≤3.8*10 ⁻⁵	≤3.2*10 ⁻⁵	≤3.2*10 ⁻⁵	≤3.2*10 ⁻⁵
Weather Resistance	ASTM D 1499		No change	No change	No change	No change	No change	No change	No change
Heat Water Resistance	JIS K 6902		Pass	Pass	Pass	Pass	Pass	Pass	Pass

All HI-MACS products are manufactured to ISO 9001 quality procedures for systems and processes, as well as ISO 14001 environmental protection standards.

if it's colour

THE HI-MACS AUSTRALIAN RANGE

From bold clear solids to brilliant granite effects, the HI-MACS range offers a vast array of tonal moods to suit any residential or commercial project.

HI-MACS SOLIDS

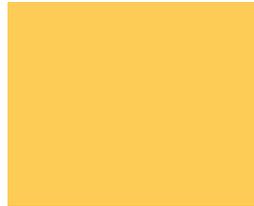
From elegant to extravagant, classic to ultra-contemporary.



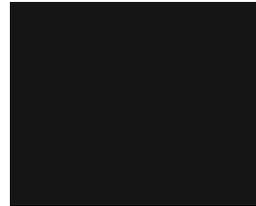
Alpine White S28



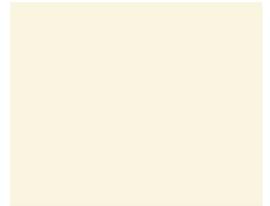
Arctic White S06



Banana* S26



Black* S22



Cream S09



Fiery Red* S25



Satin White S01

HI-MACS LUCENT

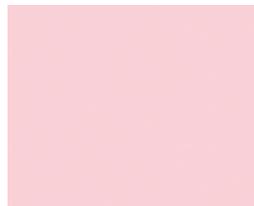
HI-MACS Lucent range brings enhanced translucency to your designs. When combined with specially placed light sources, your HI-MACS surface is transformed with dramatic design highlights.



LUCENT Emerald S305



LUCENT Opal S302



LUCENT Ruby S304

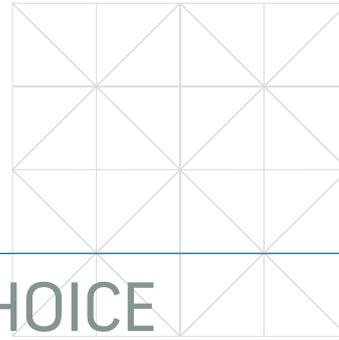


LUCENT Sapphire S303

LUCENT: Solid surface material which can be backlit to achieve different colours and lighting effects

you want...

IT'S YOUR CHOICE

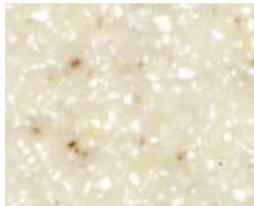


HI-MACS GRANITE

A huge selection of textures and colors. Natural and elegant.



Arctic Granite **G34**



Beach Sand **G48**



Beige Island **G109**



Black Pearl* **G10**



Candy White **G235**



Cappuccino **G117**



Caramel **G112**



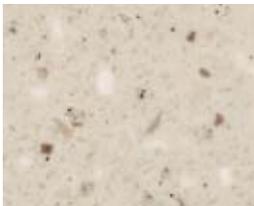
Corona **G110**



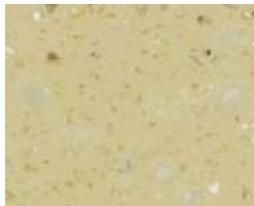
Crystal Beige **G101**



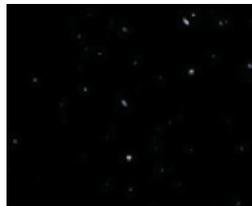
Gray Crystal **G102**



Macchiato **G111**



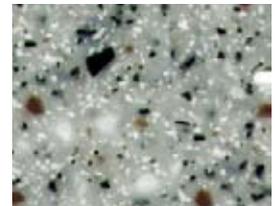
Peanut Butter **G100**



Perna Black* **P04**



Perna White **P01**



Platinum Granite **G07**



Sea Oat Quartz **G38**



Tapioca Pearl **G50**



Tundra Quartz **G65**



White Quartz **G04**

Colours illustrated are matched as closely to the original colour as the printing processes allow. Actual product samples should be viewed to determine true colours.

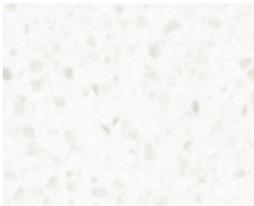
† To give the appearance and beauty of a natural marble effect, these colours have a random pattern. This means the joining process is different and needs to be discussed with your fabricator. Must view actual product prior to purchase.

* The raw materials used in HI-MACS are identical for all colours but there is a higher percentage of natural pigments used in darker tones that need more intensive care. The colours highlighted with an asterisk are therefore more suited to surfaces that will be subjected to less wear and tear and are thus preferably used as contrasts or for inlay work. There may be deviations between the illustrated and actual colours.

THE COLOURS OF HI-MACS ALLOW FOR AN ALMOST UNLIMITED PALETTE.
**NEUTRALS, STONE, BRIGHT, PLAIN OR TRANSLUCENT, THE POSSIBILITIES
 ARE ENDLESS.**

HI-MACS VOLCANICS

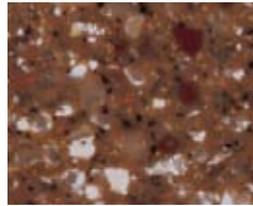
The enhanced natural look comes from unique translucent and tricolor chips which enable you to enjoy the beauty of natural stone but with all the advantages of 'Natural Acrylic Stone'.



Gemini **VW01**



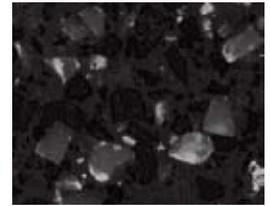
Kohala* **VN24**



Latte* **VN02**



Lattitude **VE21**



Merapi* **VB01**



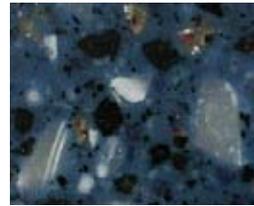
Mikeno **VE02**



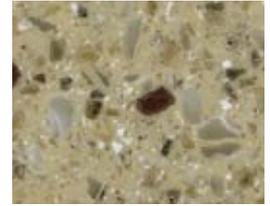
Pluto* **T013**



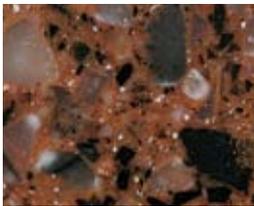
Santa Ana **VA01**



Santorini* **VL21**



Shasta **VE26**



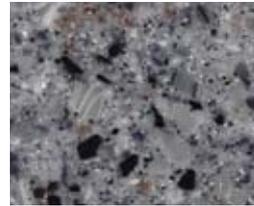
Stellar* **VR21**



Tambora **VE01**



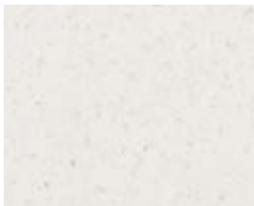
Taos* **VB21**



Vesuvio **VA23**

HI-MACS PRESTIGE

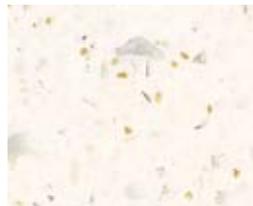
HI-MACS Prestige range for commercial and domestic applications. It has incredible depth and rich colourings that will delight interior designers, architects, commercial developers and home owners.



Andromeda **T017**



Carina **T018**



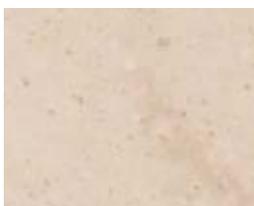
Nebula **T010**



New Moon **T019**



Venus **T011**



Bologna† **M103**



Roma† **M104**



Verona*† **M105**

HELPING IDEAS TAKE SHAPE...

brilliantly

THE COLOURS TO INSPIRE,
THE PROPERTIES TO INNOVATE.

HI-MACS IS THE PERFECT
MATERIAL FOR EVERY DESIGNER
AND ARCHITECT TO REALISE
THEIR VISIONS.

environmentally FRIENDLY

HI-MACS is manufactured by LG Hausys, a member of the LG Group, in compliance with strict standards in order to limit waste, emissions and energy consumption at all stages of the production process.

Earning a number of the highest levels of environmental accreditations worldwide, which include:

- Green Guard Indoor Air Quality Certification and the more rigorous Green Guard Children and Schools Certification. Green Guard Environmental Institute is an established third party product certification program for low emitting interior building materials, furnishings and finish systems used in educational and office surroundings.
- ISO 14001 – All products are manufactured to ISO 14001 environmental standards
- It has been awarded the outstanding environmental building material by KACA (Korean Air Cleaning Association).
- HI-MACS has earned the highest level of certification from the KEITI under the Korean Ministry of Environment (HB Mark, TVOC (0.1/h or below), formaldehyde (0.015/h or below)) in terms of indoor air pollutant release criteria.



GUNNERSEN PTY LTD

ABN 35 004 051 003

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Brisbane (07) 3722 3500

Cairns (07) 4035 3955

Melbourne (03) 9647 9911

Perth (08) 9356 9911

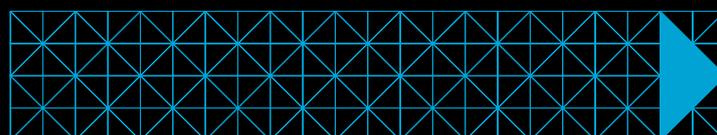
Sydney (02) 9757 6999

Townsville (07) 4779 0877

Auckland 0800 448 663

www.gunnersens.com.au

www.gunnersens.co.nz



**DESIGN
WITHOUT
COMPROMISE**