

KITCHEN  
+ BATH  
REFERENCE  
BOOK

**HI-MACS®**

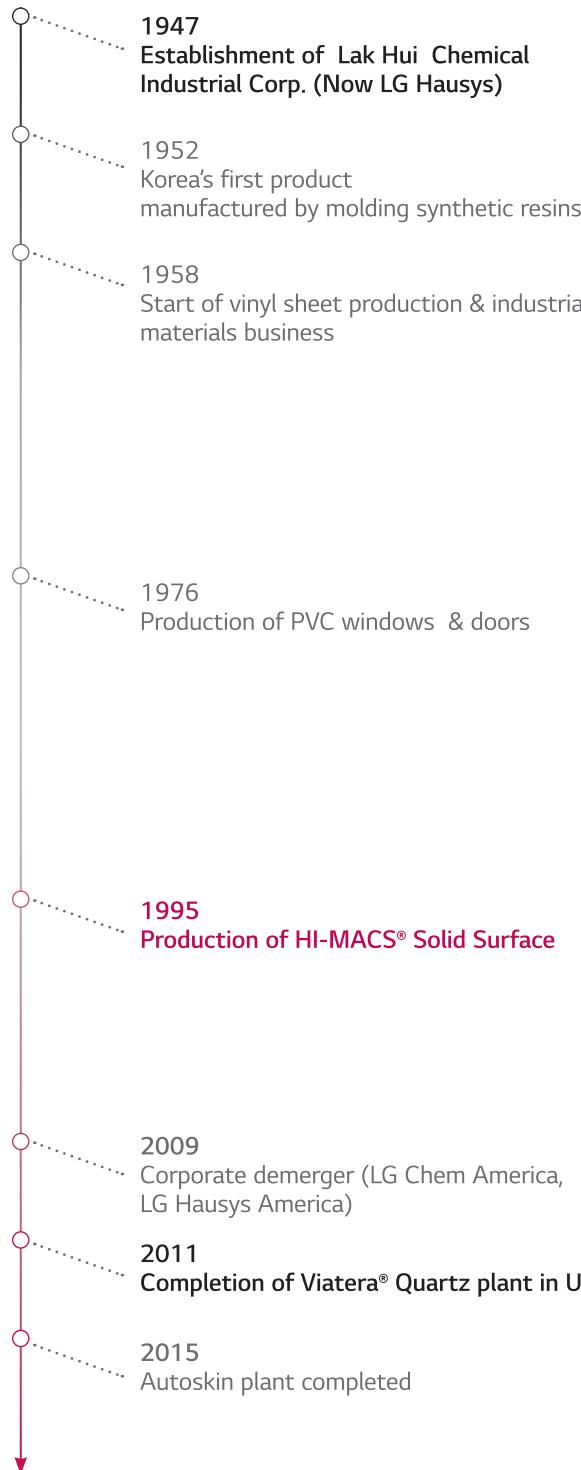


## INTRODUCING LG HAUSYS

LG Hausys represents Korea's largest company that produces building material and decorative material.

Using the industry's most advance technology, LG Hausys designs beautiful and functional spaces with eco-friendly and sensible products that make up the great market share.

LG Hausys is growing as a global company with notable achievements in many areas around the world including USA, China and Russia.



# HI-MACS®

## THE NEW GENERATION OF INSPIRATION

There are NO Limits  
The new generation of inspiration is here

Design has no boundaries and imagination leads the way.  
From functional kitchen surfaces and spaces to 3-dimensional installations,  
the unique properties of HI-MACS® Solid Surface material allows you  
the ability to create what once could only be dreamt.

## INTRODUCING HI-MACS SOLID SURFACE

### HYGIENIC & NON-POROUS



HI-MACS is safe for food preparation and carry full NSF(National Sanitation Foundation) certification. When a material or a seam is porous, food particles can be trapped in the surface material, becoming breeding ground for bacteria and contamination.

### SEAMLESS\*



\*Surfaces with large pattern such as Marmo colors may have noticeable seams

Because there is no grout line, HI-MACS countertop looks like continuous material, making it ideal for both beauty and cleanliness.

### THERMOFORMABLE



HI-MACS can be heated and bent during the fabrication process enabling the product to meet the most challenging designs.

### EASY CARE



HI-MACS is easy to clean and does not need sealing or special products for maintenance.

### RENEWABLE



No matter the nick, scratch or stain, HI-MACS can be restored to its original state. Deep scratches or damage may be restored by a certified professional.

### ENVIRONMENTALLY FRIENDLY



Ecological innovations such as continual use of recycled materials and high potential for earning LEED® certification make LG Hausys a state-of-the-art supplier for all industries. The HI-MACS production facility has reduces water waste output substantially each year. By re-purposing previously discarded materials and deploying an aggressive waste analysis and separation process, the solid waste output has been reduces by almost 90%.

### WARRANTY



HI-MACS is backed by a fully transferable 15 year warranty.

This outstanding warranty will not only give customers the confidence in their purchase but also a peace in mind.

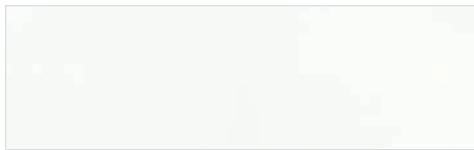
NOTE: Warranty registration is required. Please visit [www.LGhimacsUSA.com/warranty](http://www.LGhimacsUSA.com/warranty)

## HI-MACS CARE + MAINTENANCE

<b>BURN MARKS</b>	Small burn marks or marks caused by nicotine can simply be removed using a scouring agent or an abrasive sponge. Should this give the high-gloss finish a matte appearance, rubbing the surface with a scouring pad will quickly return it to its high-gloss state.																																																																																
<b>TOUGHER STAINS</b>	Tougher stains, caused by food coloring, 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.																																																																																
<b>HOT OBJECTS</b>	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.																																																																																
<b>SHARP OBJECTS</b>	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.																																																																																
<b>GENERAL DAY-TO-DAY STAINS</b>	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 scouring agent on all matte finishes. It is also useful to wipe your surface occasionally with a scouring agent or wet sponge to retain the even finish of your product.																																																																																
<b>ACIDIC CLEANING AGENTS</b>	A number of cleaning agents contain acids, such as methyl chloride or acetone. 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 discoloring taking place.																																																																																
	<table border="1"> <thead> <tr> <th></th> <th>WATER</th> <th>UNIVERSAL CLEANING AGENT</th> <th>ABRASIVE CLEANING AGENT</th> <th>SCOURING PAD</th> </tr> </thead> <tbody> <tr><td>Water-based marker pen</td><td>●</td><td></td><td></td><td></td></tr> <tr><td>Oil-based marker pen</td><td>●</td><td>●</td><td>●</td><td></td></tr> <tr><td>Cooling oil</td><td>●</td><td></td><td></td><td></td></tr> <tr><td>Coffee</td><td>●</td><td></td><td></td><td></td></tr> <tr><td>Tea</td><td>●</td><td></td><td></td><td></td></tr> <tr><td>Whisky</td><td>●</td><td></td><td></td><td></td></tr> <tr><td>Milk</td><td>●</td><td></td><td></td><td></td></tr> <tr><td>Juice</td><td>●</td><td></td><td></td><td></td></tr> <tr><td>Curry</td><td>●</td><td>●</td><td>●</td><td></td></tr> <tr><td>Margarine</td><td>●</td><td>●</td><td></td><td></td></tr> <tr><td>Lotion</td><td>●</td><td></td><td></td><td></td></tr> <tr><td>Ketchup</td><td>●</td><td></td><td></td><td></td></tr> <tr><td>Lipstick</td><td>●</td><td>●</td><td></td><td></td></tr> <tr><td>Cigarette burns</td><td>●</td><td>●</td><td>●</td><td>●</td></tr> <tr><td>Coloring</td><td>●</td><td>●</td><td>●</td><td></td></tr> </tbody> </table>		WATER	UNIVERSAL CLEANING AGENT	ABRASIVE CLEANING AGENT	SCOURING PAD	Water-based marker pen	●				Oil-based marker pen	●	●	●		Cooling oil	●				Coffee	●				Tea	●				Whisky	●				Milk	●				Juice	●				Curry	●	●	●		Margarine	●	●			Lotion	●				Ketchup	●				Lipstick	●	●			Cigarette burns	●	●	●	●	Coloring	●	●	●	
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## HI-MACS BREEZE Collection

LARGE PATTERN



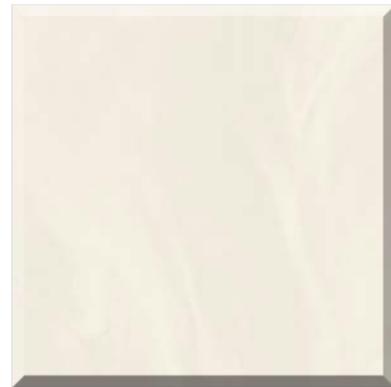
Breeze



Mist

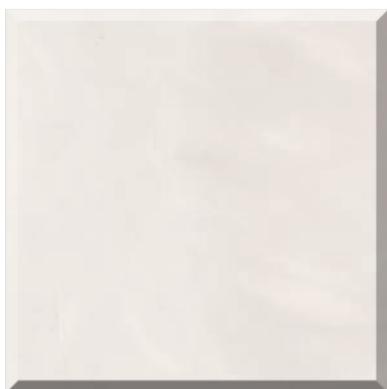


Haze



Mist

Like the traces of wind rolling in a wave of colors from the sky, Breeze is a warm, inviting cover to your home. The soft colors help to combine other finishing material such as wood, steel and concrete creating a delicate blend of styles.



Haze



LARGE PATTERN

## HI-MACS CONCRETE Collection



Basilica

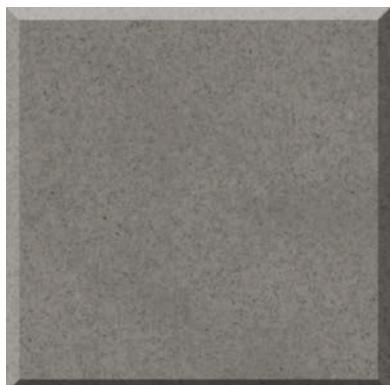


Pantheon



Colosseum

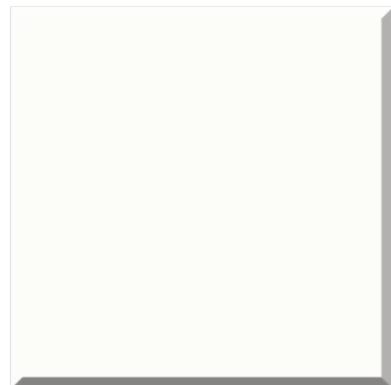
Inspired by the urban, sublime and beauty found in buildings. Despite its raw appearance, soft colors and smooth surface pattern portrays the city reduced into a room.



Pantheon



## HI-MACS CLASSIC Collection



Alpine White

**Private kitchen by Simone Piva**

Design: Simone Piva

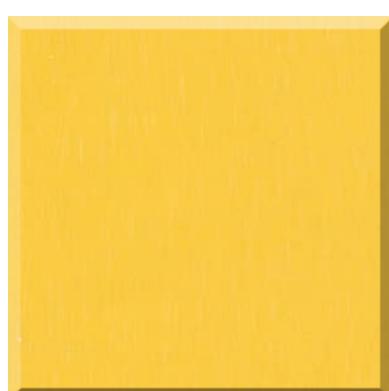
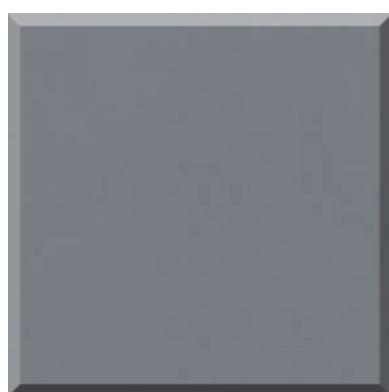
Fabrication: Simone Piva

Photo credit: Francesca Bottazzin

## HI-MACS CLASSIC Collection



**Not Only White**  
Design: Marike Andeweg - NotOnlyWhite  
Photo credit: Moni van Bruggen

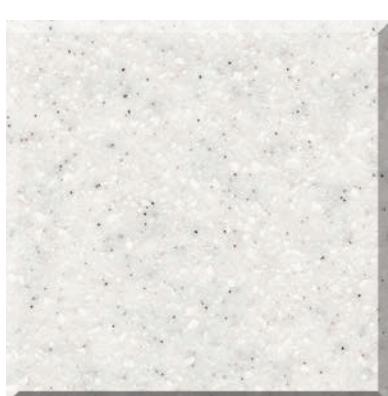


**HI-MACS CLASSIC Collection *Never Compromise Selection***

Tapioca Pearl    White Quartz    Sea Oat Quartz    White Granite    Moonscape Quartz    Vanilla Sugar    Almond Pearl    Annato Granite    Harvest

**INTRODUCING NEVER COMPROMISE PROMOTION**

LG Hausys has taken the top selling HI-MACS colors and lowered the price. Never Compromise promotion allows customers to have all the elegance and luxury they want at an affordable price. Now choose the right surface without having to compromise beauty for budget.



White Quartz



Moonscape Quartz



HI-MACS CLASSIC Collection *Never Compromise Selection*

Desert Sand

Aztec Quartz

Venetian Sand

Platinum Granite

Storm Granite

Trail Gray

Allspice Quartz

Armadillo

Mocha Granite



Graphite Granite



Midnight Pearl



Black Pearl

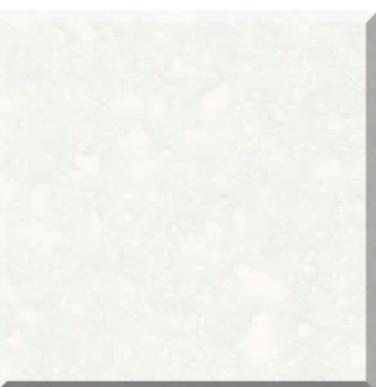
Sea Oat Quartz



Midnight Pearl



## HI-MACS CLASSIC Collection



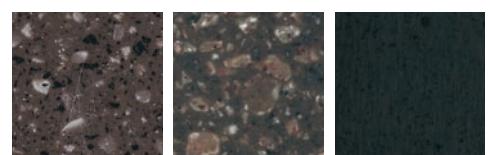
Arctic Granite



## HI-MACS CLASSIC Collection



Hazelnut Shell Populus Maple Meadow Bellany Cork Gray Granite Sugar Maple NR Umber Granite Mesa Granite



Bamboo Leaf Horse Chestnut NR Black Granite



Moon Haze



Bellany



## HI-MACS EDEN PLUS Collection



Ripe Cotton (10%) Rest (6%) Poppy Seed (6%) Oatmeal (6%) Relieve (6%)

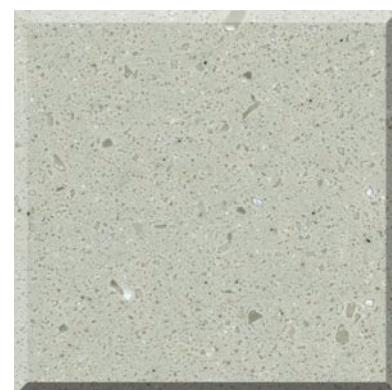


Lemongrass (10%) Simplicity (6%) Stable (6%) Honeysuckle (10%) Cocoa (10%)



Setting the standard for sustainability™

HI-MACS® EDEN PLUS is one of the most environmentally conscious solid surfaces available. Eden Plus colors contain minimum 6% or 10% of SCS certified pre-consumer recycled content.



Stable (6%)



Cocoa (10%)



## HI-MACS ASTER Collection



Andromeda Milky Way Venus Cosmos Saturn Pluto Volcanic Ice



Volcanic Ice

## HI-MACS VOLCANICS Collection



Tambora

Casera

Lattitude

Shasta

Merea



Cameroon

Basil

Dorado

Kohala

Merapi



Merea

## HI-MACS VOLCANICS Collection



Lattitude



Tambora

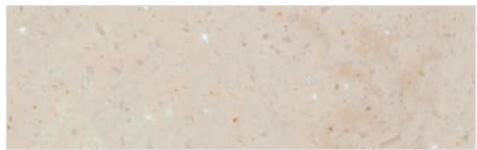


## HI-MACS MARMO Collection

LARGE PATTERN



Genova



Firenze



Lucca



Terni



Canossa



Bergamo

Lucca

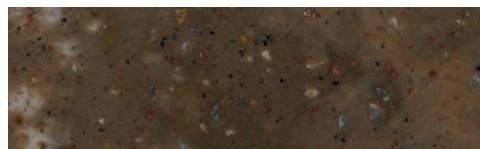


LARGE PATTERN

HI-MACS MARMO Collection



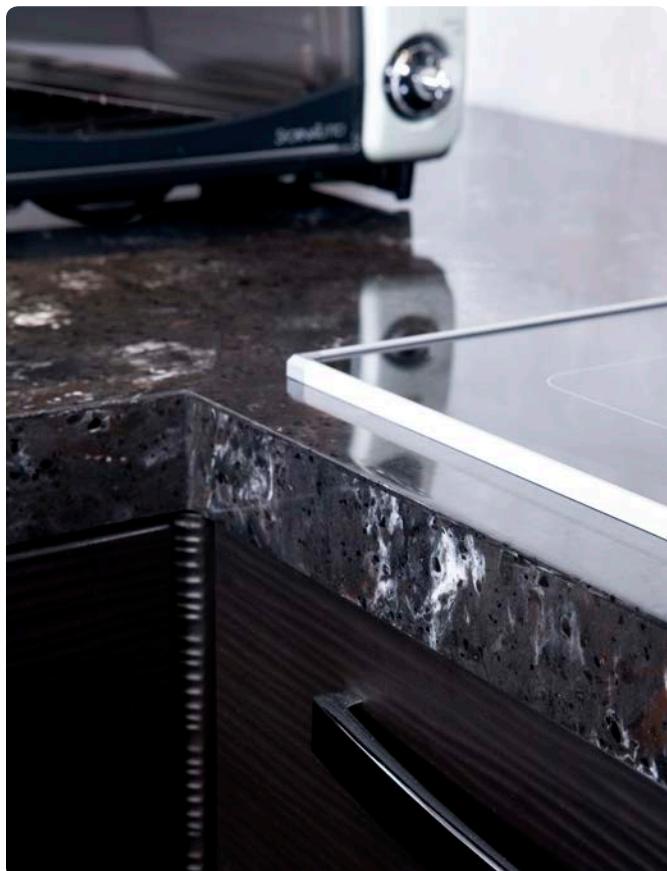
Pisa



Parma

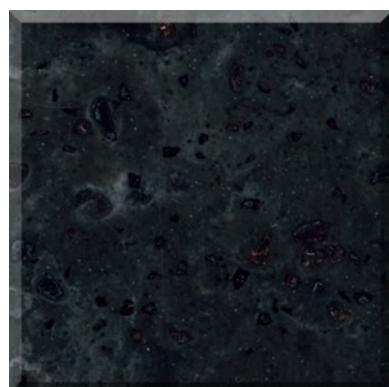


Monza



## INTRODUCING MARMO COLLECTION

A contemporary solid surface that embodies the organic look of natural stone, a captivating combination of veined patterns and translucent chips, solid surface has never looked so natural.



Monza



Bergamo



## SINKS UPC CERTIFIED SOLID SINKS



LG Hausys offers a variety of solid surface sinks to complement HI-MACS countertops.

The sinks are available in four popular colors: Arctic White, Ivory White, Cream and Almond. All solid sinks are UPC certified.



## SINKS LOVELLO™ STAINLESS STEEL SINKS

Designed for LG Hausys, the Lovello stainless steel sink collection offers its own unique design to complement any style or decor.



## HI-MACS PERFORMANCE PROPERTIES

PROPERTY	TYPICAL RESULT	TEST
Tensile Strength	6,000 psi	ASTM D 638
Tensile Modulus	$1.35 \times 10^6$ / sq inch (850 kg / sq mm)	ASTM D 638 Nominal
Tensile Elongation	0.5% min	ASTM D 638
Flexural Strength	57.96 Mpa (8,407 PSI)	ASTM D 790
Flexural Modulus	$1.34 \times 10^6$ / sq inch	ASTM D 790
Hardness	60 Pass	ASTM D 2583
Thermal Expansion	0.000018 inch / inch / °F	ASTM D 696
Deflection Temperature (under load)	90 °C (194 °F)	ASTM D 648
Approximate Weight	4.20 lbs per sq ft (20.5 kg / sq m)	
Light Resistance	No Effect - Pass	NEMA LD 3-3.03 ISSFA SST 7.1
Wear and Cleanability	Pass	ANSI Z-124.3 ISSFA SST 3.1-00
Stain Resistance	No Effect - Pass	ANSI Z-124.3 Modified; 3.4 & 11
Fungus and Bacterial Resistance	No Effect - Pass Approved for use in all food zones	ASTM G 21 / ASTM G 22 ANSI / NSF Standard 51
Boiling Water Resistance	No Effect - Pass	NEMA LD 3-3.05 ISSFA SST 8.1-00
High Temperature Resistance	No Effect - Pass	NEMA LD 3-3.06 ISSFA SST 9.1-00
Radiant Heat Resistance	No Effect - Pass	NEMA LD 3-3.10
Izod Impact	0.3 foot lbs per inch (0.016 joules / mm)	ASTM D 256, Method A
Ball Impact Resistance	0.5 lbs (0.23 kg) ball 1/4" slab - 36" drop 1/2" slab - 144" drop	NEMA LD 3-3.08
Weatherability	Pass (1000 hr test)	ASTM D 2565 / ASTM D-1499
Specific Gravity	1.60 grams per cubic centimeter (0.06 lb / inch <sup>3</sup> )	ASTM D792 (Density)
Water Absorption	1/4" slab - 0.07% 1/2" slab - 0.4%	ISO 4586-2 / ASTM D570
Toxicity	66.9 grams (2.36 oz)	Pittsburgh Protocol
Flammability*	<25	ASTM E84: Class I or A
Flame Spread Index	<25	*Flammability test result applies to both 1/4" thickness and 1/2" thickness.
Smoke Development Index	<25	
Consistency of Color	Pass	ISSFA SST 2.10 Pass
Visual Defects	Pass	ISSFA SST 5.1 Pass
Flatness of Sheets	Pass	ISSFA SST 4.1

## HI-MACS Sheet Dimension &amp; Weight

1/2" thickness: 30 x 145", 126lbs

1/4" thickness: 30 x 98", 44lbs

All colors are available in 1/2" thickness. Please contact the LG Hausys representative for other thickness availability.



900 Circle 75 Parkway Suite 1500, Atlanta GA 30339  
1-866-544-4622

Printed representation of colors may vary from actual samples. Please view the actual product prior to purchase.

# HI-MACS®

[www.LGHIMACSUSA.com](http://www.LGHIMACSUSA.com)

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SKU 1506HMKBREF



**SCSglobal**  
SERVICES  
Setting the standard for sustainability™



Published HPD  
Health Product  
Declaration  
Collaborative

WCS  
OHSAS 18001  
REGISTERED

WCS  
ISO 14001  
REGISTERED

WCS  
UKAS  
REGISTERED

WCS  
ISO 9001  
REGISTERED

Not all colors are SCS certified for pre-consumer recycled content.  
Visit [NSF.org](http://NSF.org) and search for LG Hausys to view the listing for certified colors.