



## Product Warranty for exterior applications

1. The LG Hausys's natural acrylic stone, HI-MACS<sup>®</sup>, has been widely chosen for various interior design, projects and architectural work because of its unique properties and advantages. With increasing interest and demand from architects for new applications for exterior use, LG Hausys has run tests to evaluate the possibility of using HI-MACS<sup>®</sup> on the façade of a building.

2. The test focused to check possible colour change when using HI-MACS<sup>®</sup> in facade application. Although HI-MACS<sup>®</sup> has good resistance to UV rays in general, the level of colour change could differ per patterns according to the type and quantity of pigment and other ingredients contained in different patterns. HI-MACS<sup>®</sup> recommended colours for exterior applications are grouped into two performance categories.

Group 1: These colours change of less than or equal to 5  $\Delta E$  units in 10 years under normally predictable circumstances.

| Code | Colour                  | Code | Colour                                  | Code | Colour                |
|------|-------------------------|------|---|------|-----------------------|
| S002 | <b>Almond</b>           | S928 | <b>Alpine White Ultra-Thermoforming</b> | G038 | <b>Sea Oat Quartz</b> |
| S009 | <b>Cream</b>            | G002 | <b>Grey Sand</b>                        | G048 | <b>Beach Sand</b>     |
| S028 | <b>Alpine White</b>     | G004 | <b>White Quartz</b>                     | S302 | <b>Opal</b>           |
| S728 | <b>Alpine White-FR</b>  | S029 | <b>Ivory White</b>                      | S034 | <b>Diamond White</b>  |
| S828 | <b>Alpine White-UV+</b> | G034 | <b>Arctic Granite</b>                   |      |                       |

Group 2: These colours change greater than 6  $\Delta E$  units in 10 years under normally predictable circumstances.

| Code | Colour               | Code | Colour                  | Code | Colour                 |
|------|----------------------|------|-------------------------|------|------------------------|
| S001 | <b>Satin White</b>   | S108 | <b>Marta Grey</b>       | G015 | <b>Midnight Pearl</b>  |
| S005 | <b>Grey</b>          | S109 | <b>Steel Grey</b>       | G050 | <b>Tapioca Pearl</b>   |
| S006 | <b>Arctic White</b>  | S111 | <b>Dark Night</b>       | G063 | <b>Allspice Quartz</b> |
| S022 | <b>Black</b>         | S115 | <b>Deep Indigo</b>      | G074 | <b>Mocha Granite</b>   |
| S025 | <b>Fiery Red</b>     | S116 | <b>Festival Pink</b>    | G100 | <b>Peanut Butter</b>   |
| S026 | <b>Banana</b>        | S117 | <b>Midnight Grey</b>    | G101 | <b>Crystal Beige</b>   |
| S027 | <b>Orange</b>        | S201 | <b>Nougat Cream</b>     | G105 | <b>Brown Pearl</b>     |
| S100 | <b>Coffee Brown</b>  | S203 | <b>Sky Blue</b>         | G107 | <b>Pebble Pearl</b>    |
| S102 | <b>Babylon Beige</b> | S212 | <b>Light Green</b>      | G108 | <b>Lunar Sand</b>      |
| S103 | <b>Concrete Grey</b> | G007 | <b>Platinum Granite</b> | S303 | <b>Sapphire</b>        |
| S104 | <b>Toffee Brown</b>  | G009 | <b>Black Sand</b>       | S304 | <b>Ruby</b>            |
| S106 | <b>Lemon squash</b>  | G010 | <b>Black Pearl</b>      | S305 | <b>Emerald</b>         |

3. Gloss loss will not exceed 40% on matte finish and the colour will not leach more than the mentioned delta value, for each colour, during the first 10 years after the initial installation. In addition, LG Hausys warrants that the HI-MACS<sup>®</sup> colour offering will remain free from: peeling, swelling and delaminating during the first 20 years from the date when the application was completed and when the product has been stored, handled, applied and maintained in accordance with LG Hausys technical instructions and all applicable building codes.

4. During the period stated above, if any HI-MACS® façade panel (with its performance fulfillment to the requested local or national European building standards) shows signs of defects (subject to all the limitations stated herein), LG Hausys will at its option either provide free replacement of HI-MACS® façade panels or refund the original purchase price of the HI-MACS® façade panels determined by LG Hausys to have any of the above conditions. In order for LG Hausys to respond under this warranty, LG Hausys must be permitted to inspect the product and thereafter to follow its warranty services procedures. All decisions regarding the existence of any of the above conditions or manufacturing defects or in any case affecting this warranty shall be made by LG Hausys and shall be final and binding upon the parties.

5. This limited warranty applies only to defects appearing within ten (10) years from the date of permanent installation or twenty (20) years in the specific case of peeling, swelling and delaminating of the HI-MACS® façade panels. The limited warranty is only applicable if LG Hausys is notified in writing within sixty (60) days after such defects either appear or should have been discovered after the exercise of reasonable diligence.

Failure of the claiming party to notify LG Hausys within such period shall automatically relieve LG Hausys of any and all responsibility and/or liability under this Limited Warranty. LG Hausys makes no express or implied warranty (including, without limitation, the warranties of merchantability, fitness for a particular purpose even if that purpose is known to seller or from any course of dealing or trade usage) regarding the product. The purchaser assumes all risk and liability for results obtained by the use of products covered by this limited warranty, whether used singly or in combination with other materials. The warranty herein does not cover LG Hausys TM Joint Adhesive; it covers only HI-MACS® sheets products.

6. This warranty does not cover, and LG Hausys hereby disclaims, all liability for damage caused by physical or chemical abuse, acts of vandalism, damage from excessive heat or uneven exposure to weather conditions, fire, flood, earthquakes, accident, war, acts of God, improper design or installation of LG Hausys products, any particular application or selection of products for any particular project or design, any parts, components, sealants of other manufacturers used with LG Hausys products, or the lack of performance of LG Hausys products attributable to such items.

7. LG Hausys's obligation hereunder is limited solely to the refund of the purchase price of the HI-MACS® façade panels or replacement of the HI-MACS® façade panels for which the claim is made excluding any costs associated with fabrication, replacement or installation. In no event shall LG Hausys be liable for special, indirect, incidental, punitive, consequential or any similar damages (including, without limitation, damages for loss of business profits, business interruption or any other loss), whether or not caused by or resulting from the negligence of LG Hausys even if LG Hausys has been advised of the possibility of such damages.

8. This is the only limited warranty made in connection with the sale of HI-MACS® façade panels used in exterior cladding projects. No representative, dealer or any other person is authorized to make or makes any warranty, representation or promise with respect to such products. No terms or condition other than those stated herein, and no agreement or understanding, oral or written, in any way purporting to modify this limited warranty shall be binding upon LG Hausys unless made in writing and signed by an authorized LG Hausys employee.

9. Laws, building and safety codes governing the design, engineering and construction of installations vary widely. LG Hausys assumes no responsibility or obligations with respect to the selection of product for the installation or the design, engineering and construction of the installation.

10. This warranty is subject to the condition of the supply of the above-mentioned product from a LG Hausys HI-MACS® authorized supplier.

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