

Design Without Compromise



HI-MACS offers total design freedom in its ability to create seamless stretches of benchtops, vanities or splashbacks. Available in a range of solid colours and granite effects, HI-MACS may be crafted to achieve the sharpest lines or the softest curves.

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 benchtop materials. HI-MACS is also repairable so that scratches, chips or any damage inflicted over time may be removed and your surface restored to its original finish.

Repairing Scratches

1. To remove scratches on a matt finish, use a non-abrasive scouring pad, (Chux All purpose Scrub Sponge) in conjunction with Jif and warm soapy water; rub in a circular motion until the scratches are removed.
2. Use a damp sponge to wipe over the area and remove the soapy residue.
3. Clean the area thoroughly with a general purpose cleanser such as Ajax Spray n' Wipe and let dry.

To effectively remove deep scratches we recommend you contact your certified fabricator. They will offer the expertise required to restore your HI-MACS surface.



LG Hausys prides itself on quality assured manufacturing processes and innovations

in new technology. Following the Care and Maintenance Instructions provided will ensure that your HI-MACS surface continues to look as attractive as the day it was installed.

LG Hausys supports the quality of HI-MACS surfaces with a 10-year limited warranty.



Care and Maintenance Instructions



HI-MACS[®]
Acrylic Solid Surface

Gunnensen Pty Ltd ABN 35 004 051 003

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MELBOURNE (03) 9647 9911 NEWCASTLE 1800 451 115 PERTH (08) 9356 9911
SYDNEY (02) 9757 6999 TOWNSVILLE (07) 4779 0877 AUCKLAND 0800 448 663

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HI-MACS Finishes

The final finish of your HI-MACS surface will be determined by you and your certified fabricator. It can be a matt, satin, semi-gloss or high-gloss finish. 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. Please consult your fabricator on the colour and finish option most suitable for your application.

Product Care

To avoid damaging your HI-MACS surface:

- Do not place hot cookware directly onto HI-MACS surfaces; always use a trivet under hot pans and heated appliances such as crock-pots and electric frying pans.
- Do not cut food directly on HI-MACS surfaces; always use a chopping board to protect the surface.
- Do not use abrasive scouring pads for everyday cleaning. Only use a scouring pad on matt finishes to remove extremely stubborn marks or scratches. We recommend using Chux All Purpose Scrub Sponge.

- Once a scouring pad has been used on a matt surface, apply a mild cream abrasive cleanser to the entire area and blend the scrubbed area into the surface rubbing in a circular motion with a soft cloth. We recommend using Jif or Ajax cream cleansers.
- Although minor cuts and scratches on HI-MACS surfaces can be repaired, deep cuts will require the services of a certified fabricator.
- Strong acids such as those found in drain cleaners and oven cleansers should be used cautiously around your HI-MACS surface. If these items are accidentally spilled, wipe them up at once. Some of these items when left on the surface may cause whitening, which can be difficult to remove.

Cleaning

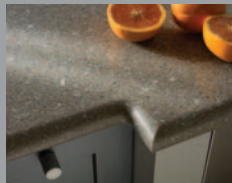
While everyday spills can be removed using a damp cloth and a general purpose cleanser (Ajax Spray n' Wipe), stubborn marks such as food, dye, tea and fruit drinks may require more rigorous cleaning methods. These items can be removed using bleach diluted 1:1 (1 part water: 1 part bleach) followed by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

For stubborn marks on a matt finish use a mild cream abrasive cleanser such as Jif or Ajax Cream Cleanser on a damp HI-MACS surface. Let the cream settle for a few minutes before using a damp, soft cloth. Rub the stained area in a circular motion, then rinse and dry the surface.

Periodically, it may be helpful to go over the entire surface in a circular motion with our recommended mild cream abrasive cleanser to maintain a uniform appearance.

STAIN RESISTANCE	
Classification	Result
Water 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 marking pen, eye liner pencil, etc.	Removed with cleanser

To provide added protection or if an additional sheen is desired, apply a non-wax polish cleaner to a dry surface and wipe with a clean, dry cloth. Wipe your HI-MACS surface dry using another clean cloth. We recommend using Mr Sheen Waterguard as your polish.



HI-MACS[®]
Acrylic Solid Surface

Volcanics HI-MACS



1. Chemical Product & Manufacturer's Information

a. Chemical Product Name	LG HI-MACS
b. Usage	Countertops, other solid surface applications
c. Chemical Type	Acrylic Solid Surface
d. Manufacturer	LG Solid Source, LLC , 8009 W. Olive, Peoria, AZ 85345
e. In Case of Emergency	Chemtel: (800) 255-3924

2. Ingredients

Name	CAS Number	% by Weight	TLV/PEL	LC50/LD50
Alumina trihydrate	21645-51-2	52-62	15 mg/m3 OSHA PEL; 10 mg/m3 ACGIH TLV	Not available
Butyl Acrylate-methyl methacrylate Copolymer colorants	25852-37-3 Not available	30-50 1-5	Not available Not available	Not available Not available

3. Health Hazard Data

The product is a solid sheet of varying color and, as such, has no health hazards associated with it. However, dust generated from cutting, sanding, or routing may cause mechanical irritation to the skin, eyes and respiratory tract.

- a. Eyes: Dust generated during fabrication may irritate eyes.
- b. Skin: Any sharp edges will cut or abrade the skin. Dust generated by fabrication may cause skin sensitization. (Methyl Methacrylate has been shown to cause allergic responses at high concentrations.)
- c. Respiratory Tract: Dust generated during fabrication may cause irritation to respiratory tract, characterized by sneezing and coughing. May cause headache in case of long term exposure.

4. First Aid Measures

- a. Eye Contact: Upon contact with nuisance dust particles, flush eyes immediately with large amounts of water for a minimum of 15 minutes. Seek medical attention.
- b. Skin Contact: Not expected to be a problem. May cause skin sensitization. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. If irritation persists, seek medical attention.
- c. Inhalation: Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. Allow the victim to rest in a well ventilated area. Oxygen may be administered if breathing is difficult. Seek medical attention.
- d. Ingestion: Not applicable.

5. Fire and Explosion Data

- a. Flammability: Non-flammable
- b. Flash Point: Not available
- c. Auto-Ignition Temperature: Not available
- d. Products of Combustion: Some metallic oxides.
- e. Fire Hazards in Presence of Various Substances: Non-flammable in presence of shocks, heat, oxidizing materials, reducing materials, combustible materials, organic materials, metals, acids, alkalis and moisture
- f. Explosion Hazards in Presence of Various Substances: Not considered as a risk of explosion
- g. Fire Fighting Media: SMALL FIRE: use DRY chemicals, COO, water spray or foam
LARGE FIRE: use water spray, fog, or foam.
DO NOT use water jet

6. Spill Procedures & Waste Disposal

- a. Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container
- b. Large Spill: No additional information
- c. Waste Disposal: Use appropriate tools to put the spilled solid in a convenient waste disposal container



7. Handling, Storage & Transport

- | | |
|----------------------------|---|
| a. Handling: | Do not breathe dust. If user operations generate dust, use ventilation to keep airborne contaminants below the exposure limit |
| b. Storage: | No specific storage is required. Be sure that it is not necessary to strain to reach materials, and that shelves are not overloaded |
| c. DOT/TDG Classification: | Not a DOT controlled material |

8. Special Protection Information

- | | |
|----------------|---|
| a. Eye: | Safety glasses |
| b. Hands: | Gloves to protect against cuts and abrasions are highly recommended |
| c. Respirator: | Wear appropriate respirator when ventilation is inadequate (NIOSH approved) because of generated dust |

9. Physical & Chemical Properties

- | | |
|---------------------------|--|
| a. Appearance | Solid |
| b. Odor | Odorless |
| c. pH | Not applicable |
| d. Specific Gravity | 1.75 |
| e. Evaporation Rate | Not available |
| f. Vapor Pressure | Not available |
| g. Solubility in Water | Insoluble |
| h. Solubility in Solvents | Insoluble in methanol, diethyl ether, n-octanol, acetone |

10. Stability & Reactivity Data

- | | |
|---|---|
| a. Stability: | The product is stable |
| b. Chemical Instability/Materials to Avoid: | Not considered to be reactive according to our database |
| c. Corrosivity: | Not considered to be corrosive for metals and glass according to our database |
| d. Hazardous Decomposition: | Not available |
| e. Hazardous Polymerization: | Yes |

11. Potential Chronic Health Effects

The product is NOT toxic to blood, kidneys, lungs, the nervous system, the reproductive system, liver, or mucous membranes.

- | | |
|-------------------------|---------------|
| a. Chronic Effects: | Not available |
| b. Mutagenic Effects: | Not available |
| c. Teratogenic Effects: | Not available |

12. Ecological Information

- | | |
|--|---------------|
| a. Ecotoxicity: | Not available |
| b. BODS and COD: | Not available |
| c. Toxicity of the Products of Biodegradation: | Not available |

13. Federal Regulations

- | | |
|--|---|
| a. TSCA (Toxic Substance Control Act): | All components of this product are listed on the TSCA inventory |
| b. HMIS (Hazardous Material Information System): | Health Hazard: 1
Fire Hazard: 0
Reactivity: 0
Personal Protection: A |
| c. National Fire Protection Association (USA): | |



Hazard Rating: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Minimal (Insignificant)

14. Other Information

The data contained in this MSDS and recommendations presented herein are based upon information considered to be accurate, as of this date. However, The Premium Solid Source, L.L.C. makes no guarantee or warranty, either expressed or implied, of the completeness of this data and recommendations, and assumes no liability in connection with any use of this information.

10-YEAR LIMITED WARRANTY

Congratulations on your new purchase of HI-MACS solid surface product. LG Chem 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 shall not apply to damage caused by

1. Failure to follow procedures recommended in the Guide Book for transportation, storage, handling, fabrication, or maintenance;
2. Physical abuse, accidents or misuse;
3. Exposure to excessive heat;
4. Failure of any adhesive, caulk, or other accessory or failure of filled joints or seams; or
5. Faulty or improper installation.

This 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 Chem's obligation is limited solely to the repair or



replacement of the products purchased hereunder, including reasonable and necessary labour charges.

NO OTHER EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE MADE BY THIS WARRANTY EXCEPT FOR THOSE EXPRESSLY PROVIDED HEREIN. UNDER NO CIRCUMSTANCES SHALL LG CHEM BE LIABLE FOR ANY LOSS OR DAMAGE ARISING FROM THE PURCHASE, USE OR INABILITY TO USE THIS PRODUCT, OR FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

This warranty entitles the purchaser to specific legal rights. Other rights may also be available, which may vary from state to state. Some states do not permit the exclusion or limitation of implied warranties or of incidental or consequential damages, so the above limitation or exclusion may not apply to you. To know what your legal rights are, consult your local or state consumer affairs office or your state's Attorney General.

To obtain service under this warranty, please contact the source from which you purchased your HI-MACS product. If the problem is not handled to your satisfaction, please contact LG Chem directly by writing or calling your nearest LG office or distributor.

Please include your name, address, description of the problem, and the phrase "HI-MACS solid surface product. 10 years limited warranty" in all correspondence. LG Chem will respond to all enquiries within 30 days.

WARRANTY REGISTRATION

Name _____

Address _____

Suburb _____

State _____ Postcode _____

Phone () _____

Date of purchase _____

HI-MACS USED FOR (TICK ALL THAT APPLY):

- | | |
|--|---|
| <input type="checkbox"/> KITCHEN COUNTER TOP | <input type="checkbox"/> KITCHEN SINK |
| <input type="checkbox"/> BATH TUB SURROUND | <input type="checkbox"/> DESK/RECEPTION |
| <input type="checkbox"/> SHOWER RECESS | <input type="checkbox"/> VANITY TOP |
| <input type="checkbox"/> WALL CLADDING | <input type="checkbox"/> ENTERTAINMENT UNIT |
| <input type="checkbox"/> SERVING COUNTERS | <input type="checkbox"/> LAB COUNTERS |
| <input type="checkbox"/> OTHER _____ | |

COLOUR _____

FINISH: GLOSS SEMI-GLOSS SATIN MATT

Was HI-MACS purchased as part of a renovation?

YES NO

HI-MACS Dealer / Builder _____

Fabricator / Installer _____

Address _____

Suburb _____

State _____ Postcode _____

Phone () _____

Date of installation _____