

# PRODUCT DATA SHEET



## InterStage Hardener G

### DESCRIPTION AND USE

MARBLELIFE® InterStage Hardener G is a crystallization product for polishing calcium carbonate stone to a gloss. Either polished or unpolished this product will provide protection against contamination while enhancing and preserving the original appearance. Independently tested utilizing AASHTO and ASTM methodology, these tests were performed to establish correct introduction of changing the surface of a calcium carbonate to calcium fluoride thus making the surface more desirable for abrasion resistance, color retention and not to be associated with discoloration.

This highly efficient product develops a harder surface on marble or 4 vs. 3 on the Mohs hardness scale. Compared to conventional wax or urethane InterStage Hardener G does not turn yellow and is guaranteed not to peel or blister in the sun. InterStage Hardener G can dramatically reduce or minimizes the potential for damage to unprotected marble surfaces.

**MARBLELIFE® InterStage Hardener G recommended for these substrates. 100 % Application. Always test.**

Architectural Concrete Block	Smooth		
	Split-faced		
	Burnished	No	
Concrete	Ribbed		
	Brick		
	Tile		
	Precast Panels	No	
Fired Clay	Pavers		
	Cast-in-place		
	Brick		
	Tile	No	
Marble, Travertine, Limestone	Terra Cotta		
	Pavers		
	Polished	Yes	750 - 1200 sq. ft.
Granite	Unpolished	Yes	500 - 750 sq. ft.
	Polished	Yes	1000 - 1750 sq. ft.
	Unpolished	Yes	500 - 750 sq/ft
Sandstone	Unpolished	No	
Slate	Unpolished	No	

(See "Limitations" section.) Always test to ensure desired results.  
Coverage estimates depend on surface texture and porosity.

### ADVANTAGES

- ♦ **Highly efficient liquid polish for most porous or dense calcium carbonate (marble/limestone) surfaces allowing stone to breath.**
- ♦ **Increases surface hardness from 3 to 4 on the Mohs scale.**
- ♦ **Low VOC - Aqueous based**
- ♦ **Restores color and gloss to damaged stone.**
- ♦ **Easy Clean Ability**
- ♦ **Fast Curing Time, within minutes.**
- ♦ **Applied results can achieve low luster or glossy.**

### Limitations

- ♦ **Test on porcelain tile for desired results.**
- ♦ **Do not apply in extreme cold or hot weather.**

### TECHNICAL DATA

**FORM:** Pink liquid  
**SPECIFIC GRAVITY:** 1.124  
**FLASH POINT:** None  
**pH:** 2.7 - 2.9  
**WT./GAL:** 8.935 lbs.

### PREPARATION

#### Protect

Test or protect surfaces not intended to be cleaned from exposure to the cleaning procedures. Test or protect adjacent landscaping from exposure to the cleaning solution or rinse water. Protect building occupants, pedestrians and nearby property. Beware of drifting of sprayed material or rinse water. Protect or divert pedestrians and auto traffic. Clean when traffic is at a minimum.

## Surface & Air Temperatures

Do not clean when temperatures are below freezing. Best results are obtained when air and masonry surface temperatures are 40°F. or above. If freezing conditions exist prior to application, wait until spring or until warmer weather.

## Equipment

A MARBLELIFE® floor machine and pad driver or equivalent is recommend. Hand grinder or right angle polisher with a minimum of 750 rpm is recommended.

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## APPLICATION INFORMATION

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**Before applying, read “Protect” in Preparation section and “Precautionary Measures” under Safety Information.**

### Pre-Testing

**ALWAYS TEST** prior to beginning full-scale polishing effectiveness. Test each type of surface and stain. Test to determine desired surface to be cleaned or adjacent materials. Allow test to dry thoroughly before evaluating.

### Dilutions

Use in diluted mixture.

## SHAKE WELL

### Application Instructions

1. Mask and protect surrounding surfaces.
2. Floor must be dry.
3. Place a # 1 wool pad, natural hog hair or equivalent under the machine.
4. Spray as the machine is running and concentrate on a 2' x 5' floor section or 1' x 3' wall/vanity section.

**NOTE: Do not allow polish to dry on the surface. If drying occurs, lightly wet treated surfaces with same product and reapply the polishing pad to achieve luster desire.**

5. After polishing rinse thoroughly with INTERCARE® Cleanser Concentrate.
6. Repeat steps 2 through 5 above and continue until section is completed.

## Cleanup

Clean equipment using warm, soapy water.

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## SAFETY INFORMATION

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### WARNING!

**May Cause Severe Irritation To Skin & Eyes  
That May Not Be Immediately Painful or  
Visible**

**Harmful If Swallowed**

**For Use By Professional Applicators Only**

**Keep Out Of The Reach Of Children**

**Read Precautionary Measures Carefully**

### Precautionary Measures

Contains magnesium silicafluoride. Do not get in eyes, on skin or clothing. Keep container tightly closed when not dispensing product. Wash thoroughly after handling. Use with adequate ventilation. Wear plastic, rubber or PVC, rubber boots and gloves, face shields and goggles to avoid splash to bare skin or eyes. When exposed to airborne mists or fumes of the cleaner, or when working in poorly ventilated areas, applicators should wear NIOSH/MSHA approved respirators.

Though the potential for vapors of InterStage Hardener G is extremely minimal, take precautions to avoid exposing building occupants from splashing. Dispose of empty containers according to federal, state and local regulations. Do not dilute or alter, or mix with chlorine-type bleaches or other chemicals. Do not use for applications other than specified. Do not remove label. Read Material Safety Data Sheet for additional safety and health hazard information.

### First Aid Instruction (See MSDS for additional information)

**Eye Contact:** Irrigate eyes for 15 to 30 minutes with water. Keep eyelids apart and away from eyeballs during irrigation. Get medical attention immediately.

**Skin Contact:** Place under a safety shower or wash area with a water hose. Remove contaminated clothing while large amounts of water for 15 to 20 minutes. Seek medical attention if needed.

**Inhalation:** Remove to fresh air.

**Ingestion:** Drink large amounts of water to dilute. Do not induce vomiting. Several glasses of milk or several ounces of milk of magnesia may be given for their soothing effect. Seek medical attention.

### **Spill or Leak Procedure**

Contain the spill and dilute with water. Recover diluted material for disposal according to local, state and federal regulations.

### **Container Handling and Storage**

Store away from all other chemicals and potential sources of contamination. Keep container tightly closed when not in use. Do not use pressure to empty container. Do not drop onto or slide across sharp objects. Do not use container as dilution or mixing vessel. Empty containers retain residue and vapors and must be handled as if full.

### **Shelf Life**

Shelf life is one year from the date of manufacture when product is in a tightly sealed, unopened container.

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## **WARRANTY**

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The information and recommendations made are based on our own research and the research of others, and are believed to be accurate.

However, no guarantee of their accuracy is made because we cannot cover every possible application of our products, nor anticipate every variation encountered in masonry surfaces, job conditions and methods used. The purchasers shall make their own tests to determine the suitability of such products for a particular purpose.

M.L. Distribution, Inc. warrants this product to be free from defects. **Where permitted by law, M.L. Distribution, Inc. makes no other warranties with respect to this product, expressed or implied, including without limitation the implied warranties of merchantability or fitness for particular purpose.** The purchaser shall be responsible to make his own tests to determine the suitability of this product for his particular purpose. M.L. Distribution's liability shall be limited in all events to supplying sufficient product to re-treat the specific area to which defective product has been applied. Acceptance and use of this product absolves M.L. Distribution, Inc. from any other liability, from whatever source, including liability for incidental, consequential or resultant damages weather due to breach of warranty, negligence or strict liability. This warranty may not be modified or extended by representatives of M.L. Distribution, Inc., its distributors, franchises or dealers.

