

# **SLABARMOR™** **STARTER**

[WWW.MQSLABARMOR.COM](http://WWW.MQSLABARMOR.COM)

## TROWEL-IN CURE

Using power trowels, this nano-sized technology creates a 27mm barrier allowing only 3% of the water to evaporate which ultimately eliminates volume loss cracking and curling. It acts as a finishing aid, holding water in for weeks if not months on end. It is invisible to the eye and almost impossible to apply incorrectly.

Exceedingly high and stable flatness (FF) numbers are a direct result from even hydration throughout the slab which also helps to control the finishing process while maintaining the internal slab moisture.

**SlabArmor™ Starter** extends material life by closing capillaries within the slab, reducing surface abrasion and creating a sustainable surface profile.

Condensified concrete enhances insulation qualities and improves energy performance.

## TRANSFORM YOUR SLAB

Attain levels of gloss and reflectivity you never thought possible with power trowels. Save time and money by compressing your project timeline and completing ahead of schedule. Achieve results that last while reducing maintenance expenses and upkeep requirements over the life of the slab.



## EarthSmart™

**MQ Whiteman Concrete Solutions** are environmentally neutral compositions. Finish your job secure in the knowledge these products pose no risk to crew members or the environment. A benefit on jobs with LEED requirements.





**Product Description**

SlabArmor™ Starter is a non-film forming, low VOC, water based cure applied to new concrete during the placement and finishing process. It provides a superior initial cure for concrete floors and is the first of three products, that when used together as part of a process, will result in an easily workable, densely consolidated, and highly refined surface using power trowels.

**Primary Applications**

- Curing New Concrete
- Decorative Concrete
- Concrete that will receive a covering
- Polished Concrete
- Institutional Facilities
- Retail Showroom
- Industrial Floor Slabs

**Features & Benefits**

- Extend workability of slab surface to achieve best possible finish
- Increases surface density and reduces permeability
- Abrasion resistance and wear characteristics compared to trap rock or dry-shake hardeners\*
- Reduce dusting for a cleaner finished product
- Reduces long-term maintenance costs by improving the surface cap
- Attain a highly refined surface finish
- Begin refining the surface as the concrete is being finished n Reduce labor and sub-contracting requirements

\* When used as the SlabArmor two-step process.

**Technical Information**

Odor/Color.....Fragrant smell/green dye\*  
 pH Level.....6-9  
 Evaporation Rate.....> 1.0  
 Vapor Pressure.....> 2.2 torr @ 68° F (20°)  
 Density (water = 1).....> 1.0 @ 68°F (20°C)  
 VOC Content.....< 50g/L

\*The fugitive dye used to provide its distinctive color will dissipate following its application.

**Specifications/Compliance**

- ASTM E 96-10 n ASTM C 944
- ASTM C 779
- ASTM C 1583
- USDA Compliant n FDA Approved

**Packaging**

| Item No. | Size | Gallons | Liters |
|----------|------|---------|--------|
| SAS01    | Jug  | 1       | 3.9    |
| SAS05    | Pail | 5       | 18.9   |
| SAS55    | Drum | 55      | 208    |
| SAS275   | Tote | 275     | 1250   |

**Storage Instructions**

Do not break seal until product is ready for use. Maintain unused product in the original container. Do not allow product to freeze. Store in a well-ventilated, cool, dry location and maintain temperatures between 40° – 100°F (4°– 38°C). This product has a shelf life of 18 months in its original unopened container.

**Coverage**

Application Rate.....1,200 ft<sup>2</sup>/gal (111 m<sup>2</sup>/L)  
 Applications Required.....3  
 Yield.....400 ft<sup>2</sup>/gal (37 m<sup>2</sup>/L)

## Directions for Use

SlabArmor™ is a process requiring the use of two separate products: Starter and Closer. The products must be used together to attain the desired results. SlabArmor™ Starter is designed for use during the initial panning/floating stage of concrete placement.

Ready to use and requires no blending or dilution. Mild agitation is recommended before usage.

Using a HIGH-VOLUME, LOW-PRESSURE, manual or commercial grade sprayer, spray a thin coating of product uniformly onto the slab surface in three equal applications at a rate of 1,200 ft<sup>2</sup>/gal. SlabArmor™ Starter may also be applied using the retardant system when using ride-on trowels. Product should be applied prior to initially breaking open (1) the floor with pans or float shoes. Completely work into the surface using a walk-behind or ride-on power trowel equipped with float pans (2) following each application and before applying additional product.

After completing application of SlabArmor™ Starter, and finishing by burning/burnishing<sup>3</sup> the floor to the desired level, prepare for applications of next product, SlabArmor™ Closer and refer to its directions for application.

- 1) Following industry best practice/procedures to begin float process as you would on a standard pour.
- 2) Float shoes may be used on walk-behind trowels, but are not recommended for ride-on trowels.
- 3) Using lowest pitch possible (Pitching the blades too high will cut/damage the surface of the floor)

## Clean-Up

Clean sprayers with warm, soapy water following use.

## Precautions / Limitations

- Incompatible with strong oxidizers and strong acids
- The SlabArmor™ process requires two separate products for best results: Starter and Closer
- Do not allow the product to freeze.  
Store between 40° - 100°F (4° - 38°C)
- Do not dilute or blend with other products.
- Consult MSDS before use.
- Over application will retard the set of the concrete

## Warranty

Multiquip ("MQ") solely and expressly warrants that for 12 months from the date of purchase its SlabArmor products shall be free from defects in materials and workmanship, but only to the extent that the product is properly installed by applicators in accordance with its product literature and in strict compliance with the installation information and instructions in the product literature and label(s). The buyer must examine the product when received and promptly notify MQ in writing of any non-conformity before the product is used and no later than 30 days after such non-conformity is first discovered. If any SlabArmor product fails to conform to this warranty, buyer's sole and exclusive remedy shall be replacement of the defective product at no cost to the buyer. Unless authorized in writing signed by an officer of MQ, no other representations or statements made by MQ or its representatives, in writing or orally, shall alter this warranty.

THE ABOVE WARRANTY AND REMEDY (i) ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES AND REMEDIES WHATSOEVER, EXPRESS OR IMPLIED, EACH OF WHICH ARE EXPRESSLY DISCLAIMED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ORDINARY OR PARTICULAR PURPOSE(S), USAGE OF TRADE AND NON-INFRINGEMENT AND (ii) SET FORTH THE ENTIRE OBLIGATION OF MQ.

MQ SHALL NOT BE SUBJECT TO AND HEREBY DISCLAIMS (EVEN IF MQ HAS BEEN ADVISED OF THE POSSIBILITY OF THE SAME): (i) ANY OBLIGATIONS OR LIABILITIES ARISING FROM BREACH OF THE ABOVE WARRANTIES, OTHER THAN THE EXCLUSIVE REMEDY EXPRESSLY SET FORTH HEREIN; (ii) ANY OBLIGATIONS OR LIABILITIES ARISING FROM TORT CLAIMS (INCLUDING, WITHOUT LIMITATION, NEGLIGENCE AND STRICT LIABILITY) OR ARISING UNDER OTHER THEORIES OF LAW WITH RESPECT TO SUCH PRODUCTS, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATING THERETO; AND (iii) ANY AND ALL CONSEQUENTIAL, INCIDENTAL, SPECIAL, INDIRECT, PUNITIVE, CONTINGENT, SPECULATIVE AND SIMILAR DAMAGES.

Any warranty claim must be (i) in writing and received by MQ within 60 days from the date of the claimed breach of the warranty (ii) that occurred within the 12 month warranty period. Product demonstrations, if any, are for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of such MQ products for the buyer's intended purpose(s).

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**BUILD. MAINTAIN. RESTORE.**



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