

## TECHNICAL DATA SHEET

### MG-KRETE™ SLU – LOCK THE TOP

#### DESCRIPTION

**MG-KRETE SLU - Lock the Top™** Underlayment is an internally ionic bonded underlayment and deep fill material that provides a smooth, permanent finish for installation of interior or exterior coatings or as a finished wear surface.

#### BASIC USES

**MG-KRETE SLU - Lock the Top™** Underlayment creates a hard, fast setting, zero-shrink substrate designed to receive interior and exterior wear surfaces. **MG-KRETE SLU - Lock the Top™** Underlayment works well with moisture sensitive coatings and adhesives as well as Portland cement-based thin-sets and epoxies. **MG-KRETE SLU - Lock the Top™** Underlayment can also be used as a finished floor and can be dyed and stamped to bring additional aesthetic value.

#### MAJOR ADVANTAGES OF MG-KRETE SLU - Lock the Top™ Underlayment

- Zero-Shrink Technology - will not shrink on cure
- Easy to use - Mix Part A & B, put in place
- Cures rapidly to form a hard, tenaciously bonded substrate
- Fast setting
- Coatings, adhesives and flooring systems can be installed 16 hours after placement
- Facilitates bonding well above industry standards
- Stronger than concrete
- Self-priming bonds to virtually any prepared construction material, concrete, plywood, steel, etc
- Non-toxic, it contains no harmful chemicals
- Cost effective, Lock the Top™ Underlayment has better long and short-term performance characteristics than the best cementitious polymer mixes at a lower cost per square foot
- Totally waterproof, it is resistant to oils, gasoline, salt and UV radiation
- Set times can be adjusted for faster or slower finish times with HT-Retarder and LT-Accelerator. See below.

FOR INTERIOR/EXTERIOR USE INCLUDING RESIDENTIAL

\*\*\*\*\*DO NOT FREEZE PART B\*\*\*\*\*

TECHNICAL AND PRODUCT DATA	
Initial Set Time:	25 Minutes @ 20°C
Primer:	No primer required
Flash Point:	None
Compressive Strength:	
45 Minutes	1,500 psi / 10.3 MPA
24 Hours	2,600 psi / 17.9 MPA
7 Days	3,800 psi / 26.2 MPA
28 Days	7,800 psi / 53.8 MPA
APPLICATION TEMPERATURE	
Minimum:	5°C
Below 10°C:	Use Low Temp. Accelerator
Maximum:	40°C
Above 29.6°C:	Use High Temp. Retarder
Clean Up:	Water (before material sets)

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Shelf Life:	1 year – store in a cool, dry area
Number of Components	2 – Part A and Part B
<b>PACKAGING</b>	
Fine Grade:	20kg Part A bag with a 3.78L Part B bottle
1 Fine grade:	Unit 18kgs Yield
Mixed Material:	0.011326m <sup>3</sup> of mixed material
<i>Also available in bulk packaging</i>	

#### **MIXING:**

Keep all materials dry, DO NOT ADD WATER TO THE MIX. Maintaining the mix ratio as supplied, i.e. one container of liquid activator (Part B) to one unit of dry component (Part A), will give a trowel able consistency suitable for most horizontal interior and exterior applications, however the slump may be adjusted to the applicator's preference or to suit the specific job conditions by increasing either of the two components. DO NOT ADJUST THE SLUMP BY THE ADDITION OF WATER. Mix the two components by mechanical means until all the material is wetted. Let sit for at least 1 minute and remix, remove from container and place quickly to desired thickness.

#### **APPLICATION INSTRUCTIONS:**

Surface must be clean, dry and free of loose material, remove all loose material from area to be covered vacuuming or sweeping as required. **MG-KRETE SLU - Lock the Top™ Underlayment** MUST NOT be EXPOSED to any WATER or DAMPNESS during placement or curing. For applications at ambient temperatures below 10°C Low Temp. ACCELERATOR must be used to ensure a full cure. With temperatures above 20°C the High Temp. RETARDER can be used to extend the working time. Do not pre-wet surface. Keep an adequate supply of water on hand to keep equipment clean. Thoroughly dry all equipment before using **MG-KRETE SLU - Lock the Top™ Underlayment**. Keep dry and protected.

\*\*\*\*\*DO NOT FREEZE PART B\*\*\*\*\*

#### **FINISHING**

**MG-KRETE SLU - Lock the Top™ Underlayment** may be finished with a trowel, screed or broom. Do not rework material after it has begun to set.

#### **OVER COATING**

Allow **MG-KRETE SLU - Lock the Top™ Underlayment** at least 4 hours to cure before over coating. The cured surface should be mechanically abraded before coating to increase sound bonding. Use Lock the Top™ Razors Edge to touch up any tool marks or transitions as required.

#### **SPECIAL HANDLING**

Store materials in a clean dry area away from direct heat. Setting time of the mixed material will be greatly accelerated if the components are stored in a warm or hot environment, conversely, the setting time is extended if the materials are kept cool. Flush all spills with water. Clean all tools with water immediately after each use. Do not attempt to place **MG-KRETE SLU - Lock the Top™ Underlayment** in water or where running water will disturb the worksite. DO NOT FREEZE PART B.

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#### **SAFETY**

Please refer to the Safety Data Sheet at [www.imcoaust.com.au](http://www.imcoaust.com.au).

Use the same precautions as when working with conventional concrete. Although the materials are non-toxic it is good practice to protect exposed skin areas and to wear a face mask to prevent inhalation of the aggregate particles.

#### **WARRANTY INFORMATION**

The information herein is to assist customers in determining whether our products are suitable for their application. Our products are in-tended for sale to industrial and commercial customers. We request that customers inspect and test our products before use and satisfy themselves as to the contents and suitability. We warrant our products to meet our written specifications. Nothing herein shall constitute a warranty expressed or implied, including any warranty of merchantability or fitness, nor is protection from any loss or patent to be inferred. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special, incidental or consequential damages. If a project specific warranty is desired against failure of moisture sensitive coatings and adhesives, please contact manufacturer IMCO Technologies.