



# HL470 Primer

## Water-based Hybrid Siloxane Sealer

### PRODUCT DESCRIPTION

HL470 Primer a free V.O.C waterbased hybrid Siloxane sealer. It is designed as an effective penetrative sealer for various types of mineral and inorganic substrates.

### SUITABLE USES

New or existing internal and external plaster, concrete and masonry wall. Cement, fibrous & calcium silicate board, mineral and inorganic substrates.

### ADVANTAGES

- Low in V.O.C, non-toxic and odorless
- Pore blocking that prevent pin-holing effect
- Reduce moisture ingress
- Improves resistivity against alkali and efflorescence
- Sealer for water based Acrylic, Silanes, Siloxane wall & floor coating systems.

### SUBSTRATE REQUIREMENT

To obtain desirable result, it is important that HL470 Primer is applied onto clean, sound and water -tight substrate free of dirt, oil, grease, soot, adhesives, laitance and other surface contamination and defect.

### SURFACE PREPARATION

- All new concrete should be cured and at least 14 days old.
- Ensure moisture content is  $\leq 15\%$  when check with an electronic or colour coded Protimeter.
- Mechanically grind to remove all surface laitance.
- Repair material use should have bonding strength  $\geq 1.0 \text{ N/mm}^2$  and must be soft and powdery.
- Repair material must be suitable for external use and do not lose properties under rain & shine.

### WORKING WITH HL470 Primer

We recommend only trained and approved applicator to be engaged for application of HL470 Primer.

### APPLICATION OF HL470 Primer

Equip with right tool and equipment before using HL470 Primer. Sample Stirrer is shown below.

Start stirring and move the MG peddler in direction opposite to MG peddler blade rotation for 2 minutes to obtain a homogenous and uniform mass.



As this is a ready to use formulation, no diluting is required.

Brush/ roller application, short pile roller is preferred. Apply until the substrate is saturated with sealer.

For spray application, we recommend Graco airless spray pump and make sure that all pump and gun filters are not obstructed before spraying. Maintain the pump pressure at PSI 2,000-2,200. Recommended spray-gun nozzle tip size 0.017". Check with your local supplier for more detail.



### COVERAGE

#### As a sealer for ceiling and coating

Sealer > 0.20 kg/m<sup>2</sup>



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### PHYSICAL PROPERTIES

Appearance	Milky Solution
Colour	Clear with slight sheen
Resin type	Hybrid Siloxane
Estimated usage	0.15-.25 kg/m <sup>2</sup> (depends on porosity of substrate it is applied on)
Curing process	At 28°C with RH ≤70%
Touch dry	30min
Initial curing	60min
Full Curing	3 days
Adhesion	0.8-1.0 kg/cm <sup>2</sup>
Alkali Resistant NaOH 5% @ 7days	No dissolving of coating observed
Humidity Resistivity	No visible damage
Hot water @ 100°C	No breakdown or peel
Solid Content	28%
Viscosity	50 ~ 90 CPS Brookfield

### COVERAGE

#### As a sealer for ceiling, wall & floor coating

Requires about 0.15 to 0.25 kg/m<sup>2</sup>

Or until the substrate is saturated (substrate won't absorb anymore sealer)

### PACK SIZE

15kg

### POTLIFE & SHELF LIFE

Pot Life – at least 3 months after mix and kept under close lid and cool condition

Shelf life – 06 months in sealed condition

### STORAGE & TRANSPORTION

Keep HL470 Primer in cool and dry condition. Store it in its original sealed condition.

### LIMITATIONS

HL470 Primer may not bond properly to curing compounds or other coatings on concrete.

Bond or pull off test is recommended to determine suitability before actual application. Coverage and consumption vary depending on porosity and roughness of substrate. Applicable temperature 15°C to 45°C

### DISCLAIMER CLAUSE

This TDS summarizes our best knowledge of this product, including how to use the product based on the information available at the time of publication. You should read this TDS carefully, consider and try out the information in the context of how the product will be used, including in conjunction with any other product, type of surfaces to, and the manner the product will be applied.

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