



AS-28 Sealer

Water-based Hybrid Siloxane Sealer

PRODUCT DESCRIPTION

AS-28 Sealer a free V.O.C. water-based hybrid siloxane sealer. It is designed as an effective penetrative sealer for various types of mineral and in-organic 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, ensures that AS-28 Sealer 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 must be allowed to cure for at least 14 days or $\leq 16\%$ when check with an electronic or colour coded Protimeter.

Mechanically grind to remove all surface laitance. Repair material use should have bonding strength ≥ 1.0 N/mm² and must not appear soft and powdery.

Repair material must be suitable for external use and will not lose its properties when contact with water.

WORKING WITH AS-28 SEALER

We recommend only trained and approved applicator to be engaged for application of AS-28 Sealer.

APPLICATION OF AS-28 SEALER

Equip with right tool and equipment before using AS-28 Sealer. 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 homogeneous 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 removed before spraying. Maintain the pump pressure at 2,000-2,200 PSI. Recommended spray-gun nozzle tip size 0.017".



COVERAGE

As a sealer for ceiling, wall & floor coating

Requires about 0.15 to 0.25 kg/m² Until the substrate is saturated (substrate won't absorb anymore sealer)



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PHYSICAL PROPERTIES

Appearance	Milky Solution
Colour	Clear with slight sheen
Resin type	Hybrid Siloxane
Estimated usage	> 0.25 kg/m ² (depends on substrate porosity)
Touch dry Initial curing Full curing	30 mins @ 30°C 60 mins @ 30°C 3 days @ 30°C
Adhesion	0.8-1.0 kg/cm ²
Alkali Resistant 5% NaOH @ 7days	No dissolving of coating observed
Humidity Resistivity	No visible damage
Hot water @ 100°C	No breakdown or peeling
Solid Content	28%
Viscosity	50 ~ 90 CPS Brookfield

PACK SIZE

15kg

POTLIFE & SHELF LIFE

Pot Life – 90 days after mix and kept under close lid and cool condition

Shelf life – 12 months in sealed condition

STORAGE & TRANSPORTION

Keep AS-28 Sealer in cool and dry condition. Store it in its original sealed condition.

LIMITATIONS

- AS-28 Sealer 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.
- Suitable application temperature is 15°C to 45°C
- Apply or install when relative humidity is <75%

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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