

# MonniSil S

Silane acrylate surface treatment, enhancer and hardener for lime stone, concrete, and masonry

## Product Description

MonniSil S is a multi-grade surface sealer and hardener for concrete, masonry and natural stone. The product can be used as a film-forming or non-film-forming depending on the grade used. MonniSil S versatility allows it to be used in various applications on concrete, masonry, lime based elements, cement boards, mineral plasters, natural and artificial stone conglomerates.

## Uses

- ▶ As a universal versatile lime-stone and masonry surface sealer and hardener.
- ▶ Enhancing weak lime-stone and masonry floors strengths to receive resinous toppings.
- ▶ As a dust proofer for cementitious surfaces.
- ▶ Sealing of highly porous cementitious substrates

## Advantages

- ▶ Single component easily applied by brush, roller or spray
- ▶ Versatile with applications of a large number of coating materials and sealants.
- ▶ Designed for highly porous weak surfaces.
- ▶ High wetting properties.
- ▶ Specifically designed for natural stone present in the MENA region.
- ▶ Cost effective, suitable for use in MENA region weathering conditions.

## Usage Instructions

### Surface Preparation

Surface must be sound and thoroughly cleaned before MonniSil S is applied. All loose particles, old mortar, laitence, dirt, paint etc., must be removed by brushing with a stiff/wire brush or other suitable means. Fungi or Algae should be scoured away using hypochlorite type bleach or proprietary fungicidal solution and then washed with water. All traces of oil and grease must be removed with an industrial grade chemical degreaser or another suitable degreasing agent.

### Application

Product application will depend on the grade used as per the technical properties table.

### Cleaning

Equipment and tools can be cleaned using Solvent 10 immediately after use. Shall residual material exist or harden, mechanical means such as wire brush would be required to remove residue.

## Application Areas

- ▶ MonniSil S-100 is a concentrated film-forming clear sealer used as a chemical and abrasion resistant sealer for concrete and masonry surfaces. It can be used as a curing compound if applied after 2 hour of concrete pouring.
- ▶ MonniSil S-75 is the perfect product to seal stained concrete surfaces. The product is also used to protect limestone flooring in exterior environment subjected to traffic. It forms a thin film on the surface which protects the surface from water and chemical damage.
- ▶ MonniSil S-50 is used as a penetrating sealer/ primer for porous stone, concrete and cement based products. MonniSil S-50 is used as a primer and densifier for concrete prior to coating.



## Technical Data

Property	MonniSil S-100	MonniSil S-75	MonniSil S-50	MonniSil S-25
Relative Solid Content	100%	75%	50%	25%
Wet Appearance	Clear	Clear	Clear	Clear
Dry Appearance	Transparent	Transparent	Transparent	Transparent
Film finish	Film-Forming	Film Forming	Penetration	Penetration
Practical Coverage / Coat (m <sup>2</sup> /L)	4 - 6	5 - 8	6 - 10	6 - 15
Number of Coats	1	1	1 - 2	1 - 2
Dry Time (25°C & RH50%)	45 minutes	40 minutes	30 minutes	25 minutes
Recoat / Top Coat Time (25°C & RH50%)	60 minutes	60 minutes	50 minutes	45 minutes
Best Used As	Film Forming Sealer	Surface Protection Against Traffic & Structural Elements Sealer	Easy to clean sealer	Sealer Against Efflorescence & Water Damage
Best Application Technique	Roller	Roller	Garden Sprayer	Garden Sprayer
Alternative Application Technique	Brush	Brush	Roller	Roller

All values are subject to 5-10% tolerance

## Packaging

MonniSil S is supplied in 20 Liter Pail

## Shelf Life & Storage

Original sealed bag of MonniSil S has a shelf life of 12 months provided it is stored clear of ground in a dry and shaded place below 35°C.

## Health & Safety

MonniSil S should not come into contact with skin and eyes or be swallowed. Avoid inhalation of vapor and spray. Use only in well ventilated areas. In case of insufficient ventilation wear suitable respiratory protection. Wear suitable protective clothing, gloves and eye/face protection. Barrier creams provide additional skin protection. Should accidental skin contact occur, remove immediately with a suitable skin cleanser followed by washing with soap and water. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If swallowed, seek medical attention immediately - do not induce vomiting. Refer to Material Safety Data Sheet for further information. MonniSil S is flammable

## Legal disclaimer

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