
PRODUCT DESCRIPTION

A one component, water-based silicone silane siloxane emulsion primer for impregnating and priming, protection and consolidating of masonry surfaces.

INTENDED USES

Once applied, a chemical reaction with the mineral substrate takes place converting the emulsion into a silicone resin water repellent, thus reducing the capillary absorption of the building which has been penetrated without clogging pores or capillaries.

There is therefore little or no impairment of the building materials ability to breathe.

SpecSil Primer Breathable is resistant to alkalis and has a rapid development of water repellency.

Designed for used with SpecSil Silicone Resin Paints & Plasters, Emulsion paints and plasters and breathable coatings where breathability is of utmost importance.

Also, an excellent water repellent for many absorbent mineral substrates

Suitable substrates

- Brickwork
- Building materials made of clay
- Aerated concrete
- Sand lime brickwork
- Cement fibreboards
- Lightweight aggregate
- Mineral plasters

Not suitable for less absorbent, dense natural stone, especially limestone, marble and reinforced concrete for bridges and roads

CHARACTERISTICS

- Formation of hydrophobic zone
 - Good Beading
 - Water based and environmentally compatible
 - Provides good adhesion for paints
 - Water vapour permeable / CO₂ permeable
 - Strengthening of the substrate
 - Increase durability
 - Good depth of penetration
 - High alkaline resistance
 - Water repellency develops fast
 - Mould & Bacterial Resistant
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PRODUCT INFORMATION

Colour	Milky White, dries clear	
Density	0.99 kg/litre	
Actives	10%	
Theoretical Coverage (lt/m ²)	Concrete	0.25 – 0.50
	Plaster	0.50 – 1.00
	Sand-lime brick	0.40 – 0.70
	Brickwork	0.40 – 2.00
	Aerated concrete	0.50 – 2.00
	Cement fibreboard	0.10 – 0.30
	Natural stone	0.05 – 3.00
Method of Application	Brush, Roller and Airless Spray, flooding	
Number of Coats	1 to 2 depending on porosity of the substrate. Application shall continue until surface no longer absorbs primer	

**DRYING INFORMATION 25°C
@ 60RH**

Touch Dry	1 Hr
Minimum overcoating with water-based coatings	24 hr
Minimum overcoat with Solvent based coating	12 hrs
Rain Resistant	2 hrs
Full Cure	7 days

PROCESSING

Flooding, preferably not under pressure is the best technique. Apply several coats, wet on wet until the substrate is fully saturated. Generally, at least two applications suffice for all substrates.

Do not leave long breaks between coats. Apply the next when the substrate has absorbed the previous one and is no longer shiny (wet-on-wet working).
The substrate must not have any damp spots i.e. it must look dry.

The required qty of SpecSil Primer Breathable depends on the absorbency of the substrate.

The amount of primer required for a substrate and the effectiveness of the impregnation should be determined on site by testing a small area of the material to be treated.

If it starts to rain, stop treatment and cover the impregnated areas.

APPLICATION

Mixing

Material is supplied in a steel container. This is a one component product and does not require a hardener.

Agitate/stir the product well before use.

Thinner

Not required,
ready to use

Cleaner

Universal Reducer For dry paint and equipment

Environment

Surface
Temperature

Ambient
Temperature

Relative
Humidity

Minimum

5°C*

7°C

No lower
limit

Maximum

35°C*

45°C

85%

LIMITATIONS

- Unmixed material (in closed containers) should be maintained in protected storage in accordance with information given in the STORAGE section of this data sheet.
- Technical and application data herein is for the purpose of establishing a general guideline of the coating application procedures.
- Test performance results were obtained in a controlled laboratory environment and Speccoats™ makes no claim that the exhibited published test results, or any other tests, accurately represent results found in all field environments. As application, environmental and design factors can vary, due care should be exercised in the selection and verification of the performance and use of the coating

STORAGE

Shelf Life

24 months minimum at 25°C

**IMPORTANT
NOTE**

Whilst we endeavour to ensure that all advice we give about the product is correct, the information given in this data sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so entirely at his own risk. As conditions of use, method of application and suitability of the substrate prior to painting are beyond our control, no guarantee is implied by the recommendations contained herein. We therefore do not accept any liability whatsoever or howsoever arising from the performance of this product or for any loss or damage arising out of the use of this product. The information contained in this sheet is liable to modification from time to time in the light of experience and ongoing product development programmes. It is the user's responsibility to ensure that this sheet is current prior to using the product