

HydroGuard® Pro Solvent Max

EXTERIOR

SOLVENT BASED

1K

Description:

A one component solvent-based, deep penetrating, reactive silicone silane siloxane used for impregnating and priming mineral and highly alkali substrates.

Intended Uses:

HydroGuard® Pro Solvent Max reacts with the atmospheric moisture or pore water in the substrate, creating a water-repelling silicone resin network in the building material, thereby greatly lowering the water absorbency of the substrate. Because this is not a film forming coating neither the pores or capillaries are clogged, the substrate retains a very high degree of water vapour permeability.

Suitable for neutral to high alkaline silicate based mineral substrates, providing high effectiveness in the reduction of water uptake and effective protection of substrates in wind driven rain.

It offers good depth of penetration, high water beading effect and a considerable reduction of salt blooming all without causing a visual change to the substrate.

The surface will remain recoatable with good adhesion of paints and coatings. Effective as a protective sealer on concrete substrates such as bridge structures CMU etc.

Suitable Substrates:

- Brickwork.
- Mineral based natural and artificial stone.
- Aerated concrete.
- Sand lime brickwork.
- Cement fibreboards.
- Mineral paints.
- All kinds of concrete.
- Mineral plasters.
- Previously painted surfaces.
- Clay tiles.

Features & Benefits:

- Formation of hydrophobic zone.
- Gas permeable.
- Strengthening of the substrate.
- Increase durability.
- Good depth of penetration.
- High alkaline resistance.
- Tack free drying.
- Non-film forming.
- Effective even on damp substrates.
- Water repellency develops fast.

Technical Data:

Colour	Clear														
Finish	None – does not form a film														
Density	0.8 Kg/ Litre														
Actives	15%														
Theoretical Coverage	<table> <tr> <td>Concrete</td><td>2 – 4 m²/ Lt</td></tr> <tr> <td>Plaster</td><td>1 – 2 m²/ Lt</td></tr> <tr> <td>Sand-Lime Brick</td><td>1.4 – 2.5 m²/ Lt</td></tr> <tr> <td>Brick</td><td>0.5 – 2.5 m²/ Lt</td></tr> <tr> <td>Aerated Concrete</td><td>0.5 – 2 m²/ Lt</td></tr> <tr> <td>Cement Fibreboard</td><td>3.3 – 10 m²/ Lt</td></tr> <tr> <td>Natural Stone</td><td>0.3 – 20 m²/ Lt</td></tr> </table>	Concrete	2 – 4 m ² / Lt	Plaster	1 – 2 m ² / Lt	Sand-Lime Brick	1.4 – 2.5 m ² / Lt	Brick	0.5 – 2.5 m ² / Lt	Aerated Concrete	0.5 – 2 m ² / Lt	Cement Fibreboard	3.3 – 10 m ² / Lt	Natural Stone	0.3 – 20 m ² / Lt
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Method of Application	Brush, roller, airless spray, or flooding														
Number of Coats	1 to 2 depending on the porosity of the substrate. Application shall continue until the surface no longer absorbs.														
Drying Information (@25°C / RH 60%)	Touch dry – 1 hour Minimum overcoating time with water-based coatings – 24 hours Minimum overcoating time with polymer SB masonry coatings – 12 hours Rain resistant – 2 hours Full cure – 7 days Reduction of water absorption – 85.1% Reduction of chloride ion content – 92.1% Water vapour transmission – 120.1%														
Method of Application	Brush, roller, or airless spray														
Number of Coats	Typically, 2. Depends on application technique and colour underneath														
Viscosity	+/- 120 – 130 KU														

Application:

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 HydroGuard® Pro Solvent Max depends on the absorbency of the substrate. The amount of impregnating agent 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. Before applying, be sure to cover windows and other non-absorbent surfaces properly because the product cures so quickly that it will be extremely difficult, if not impossible to remove after a few hours. Wipe off any splashes on windowpanes immediately using Universal Reducer is necessary.
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

WATERPROOFING: LIQUID MEMBRANES & COATINGS

Cleaner	Universal Reducer	For dry paint & equipment
Clean Up	Clean all equipment immediately after use with Universal Reducer . It is advisable to periodically flush out spraying equipment during the course of the working day. Frequency of cleaning is dependant of upon the amount sprayed, temperature and elapsed time.	

Environment:

	Surface Temperature	Ambient Temperature	Relative Humidity
Minimum	5°C*	7°C	No lower limit
Maximum	35°C*	45°C	85%

* Higher temperatures result in reduced sag resistance and faster cure. The higher humidity, the slower the drying and subsequent overcoating of the primer.

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 Specialized Coating Systems 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 from date of manufacture. Subject to inspection thereafter.
- Store in dry conditions out of direct sunlight, away from sources of heat or ignition.

Precautions:

For complete safety and handling information please refer to the appropriate Safety Data Sheets prior to using this product.