

HydroGuard® Pro Façade Shield

INTERIOR & EXTERIOR

WATER BASED

1K

Description:

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

Intended Uses:

HydroGuard Pro Façade Shield is a high performance, breathable water-repellent primer for mineral building substrates. Once applied, it penetrates deeply into the surface and reacts chemically with the mineral substrate, transforming into a silicone resin water barrier. This significantly reduces water absorption through capillaries while keeping the pores open—so the surface remains fully breathable and moisture can escape naturally.

The result is long-lasting protection against water ingress without compromising the building material's ability to "breathe." HydroGuard Pro Façade Shield develops water repellency quickly, is resistant to alkalis, and provides an ideal base for use with silicone resin paints and plasters, emulsion paints, breathable coatings, and mineral finishes where breathability is of utmost importance. It can also be used on its own as an effective water-repellent treatment for a wide range of absorbent mineral substrates.

Suitable substrates include:

- Brickwork
- Clay-based building materials
- Aerated concrete
- Sand-lime brickwork
- Cement fibreboards
- Lightweight aggregate
- Mineral plasters

Not suitable for: dense, low-absorption natural stone (e.g., limestone, marble) or reinforced concrete used in bridges and roads.

Features & Benefits:

- Formation of hydrophobic zone.
- Good beading.
- Water based and environmentally compatible.
- Provides good adhesion for paints.
- Water vapour permeable / C02 permeable.
- Strengthening of the substrate.
- Increase durability.
- Good depth of penetration.
- High alkaline resistance.
- Water repellency develops fast.
- Mould & bacterial resistant.

Technical Data:

Product Physical Form	Liquid	
Binder Type	Silicone silane siloxane	
Colour	Milky white, dries clear	
Appearance	Smooth satin	
Volume Solids	10% ± 2%	
Density (Kg/ Lt @ 25°C)	0.99 ± 0.05	
Diluent	Supplied ready for use (Do not thin)	
Spreading Rate (Litres/ m ²)	Concrete	0.25 – 0.5
	Plaster	0.5 – 1
	Sand-Lime Brick	0.4 – 0.7
	Brickwork	0.4 – 2
	Aerated Concrete	0.5 – 2
	Cement Fibreboard	0.1 – 0.3
	Natural Stone	0.05 – 3
Number of Coats	1 to 2 depending on the porosity of the substrate. Application shall continue until the surface no longer absorbs the primer.	
Method of Application	Brush, roller, airless spray, or flooding	
Pack Size	5 & 20 Lt	
Storage	Store out of direct sunlight in dry conditions between 15°C and 25°C	
Shelf Life	24 months when stored as recommended in original un-opened containers	
Drying Information (@ 25°C / RH 60%)	Touch dry – 1 hour Minimum overcoating with water-based coatings – 24 hours Minimum overcoating with solvent-based coatings – 12 hours Rain resistant – 2 hours Full cure – 7 days	

Important Information:

- Always consult with technical department if unsure.
- Technical & application data herein is for the purpose of establishing a general guideline of the coating application procedure.
- 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 & verification of the performance and use of the coating.

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 Façade Shield 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.
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WATERPROOFING: SILANE/SILOXANE WATER REPELLENTS

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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

Latest Update:
30/09/2025
Issue Date:
12/05/2019

Mixing	Material is supplied in a plastic container. This is a one component product and does not require a hardener. Agitate/stir the product well before use.	
Thinner	Supplied ready for use (Do not thin)	
Cleaner	Universal Reducer	For dry paint & equipment

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

* Or 3°C above dew point

Drying & Overcoating Information:	
Touch Dry	1 hour @ 25°C / RH 60%
Overcoating Time	Minimum overcoating with water-based coatings – 24 hours @ 25°C / RH 60% Minimum overcoating with solvent-based coatings – 12 hours @ 25°C / RH 60%
Rain Resistant	2 hours @ 25°C / RH 60%
Full Cure	7 days @ 25°C / RH 60%
Extra Information	-

Systems:

Consult with Specialized Coating System for application specific recommendations.

Safety Information:

- Refer to product SDS for health & safety prior to using products.
- Always wear safety clothing / protection. Respirators, eye protection and skin protection.
- Apply in well-ventilated areas.

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