

TECHNICAL DATA SHEET FOR

WATERSHIELD W350

DESCRIPTION	:	Watershield W350 is a water-repellent coating formulated with a high quality silane / siloxane mixture
TYPE	:	Silicone-based
COLOUR	:	Clear, Yellowish
USES	:	<ol style="list-style-type: none">1. An excellent water-repellent coating for the impregnation of many absorbent mineral to prevent damage due to moisture. These include highly alkaline substrates such as bricks, mortar joints, mineral plasters and concrete.2. It can also be used as a water-repellent primer for emulsion paints and plasters
APPLICATION AREA	:	New and old unpainted masonry surfaces, mortar, brickwork and concrete
FEATURES	:	<ul style="list-style-type: none">• Good resistance to driving rain• Dilutable by just adding into water• Excellent penetration power into porous substrates to provide a high degree of surface water repellency and protection against moisture• Outstanding alkaline resistance• Rapid development of water repellency• Line the pores and capillaries of the surface without sealing or clogging them, thus it does not reduce the water vapour permeability or impair the breathing properties of the building material• Prevents the leaching and subsequent deposition of water-soluble salts on the surface called efflorescence• Provides good adhesion to topcoat• Solvent free and environmentally friendly, non-toxic
PERFORMANCE DATA		
WEATHER	:	The speed of formation of a water-repellent silane / siloxane resin is a chemical reaction which depends on ambient temperature, humidity and ventilation. Water repellency develops more quickly in hot, dry and windy conditions. The product efficiency will not be significantly affected if it starts to rain shortly after application
ADHESION	:	Excellent penetration into the porous substrate Provides good adhesion to the topcoat

WATERSHIELD W350**APPLICATION DATA**

- MATERIAL PREPARATION** : Dilute Watershield W350 with water at 1:9 ratio. Pour Watershield W350 into water and mix thoroughly by stirring. The mixture should be used within 24 hours of dilution.
- APPLICATION METHOD** : Roller, brush or airless spray
- THEORETICAL COVERAGE** : 1 - 5 m² / litre (depending on the porosity of the surface)
- SURFACE PREPARATION** : Ensure surface is clean, dry and stable using the following suggested surface treatments:
- **Moisture** : There must not be any water residue on the surface of the substrate. Moisture must be <4% (Sovereign moisture master) before application
 - **Unstable matter** : Remove loose bonding film, dirt, peeling paint, etc by high-pressure water jet wash or mechanical means such as power brush or scraper, whichever is suitable
 - **Contaminants** : Remove dust and foreign matter by cleaning with damp cloth. Remove oil or grease using solvent or mild detergent. Allow surface to dry
 - **Fungus and Algae** : Wash the affected area to remove unstable matters and micro-organisms. Apply Anti-Fungus Solution and leave on for at least 2 hours
 - **Hairline cracks** : Fill cracks with suitable exterior grade water-resistant putty or filler

GENERAL INFORMATION

- COATING INTERVAL** : Two "wet on wet" coats are needed to ensure complete coverage. Apply the second coat when the substrate has absorbed the first one. Avoid leaving long breaks between coats.
- DRYING TIME** : 4 hours
The above information depends on ambient condition. Increased temperature and ventilation will accelerate drying.
- OVERCOATING TIME** : 4 – 6 hours in normal conditions
- SPECIFIC GRAVITY** : 1.0 ± 2% kg/litre
- FLASHPOINT** : 25 °C

WATERSHIELD W350

PACKING	:	2 Litres
STORAGE	:	Store in a tightly sealed container in a cool dry place.
SHELF LIFE	:	Up to 18 months when stored in a tightly sealed container.
CLEANING	:	All equipment should be cleaned with water immediately after use.
PROTECTIVE MEASURES (Applies to concentrate only)	:	Use appropriate protection equipment when handling Watershield W350. Avoid prolonged skin and eye contact. Watershield W350 is flammable and good ventilation is essential. Do not expose to naked flame while handling product.

The information given is intended to give a description of the product performance under specific test conditions. Nevertheless, we cannot assume any responsibility for the use of it since circumstances under which the products are applied in practice are subjected to many variations. We reserve the right to alter the given data without notice.

Enquiries / Contact Details

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