

tensid uk ltd

Product Data

PROSOCO SL100 Water Repellent

Description and use

PROSOCO SL100 Water Repellent is a clear, penetrating neat silane that offers invisible protection and low volatility. SL100 protects concrete and masonry surfaces against water and waterborne contaminants.

The small molecular structure of SL100 allows for maximum penetration at coverage rates 2 to 4 times that of conventional silanes. Depth of penetration is controlled by the application rate (loading rate). This makes SL100 ideal for protecting GFRC and even dense, colour sensitive surfaces. In addition, SL100 forms an effective chloride screen that reduces surface erosion and corrosion of rebar in reinforced concrete caused by water and water carried salts.

Recommended as follows. Always test.

Substrate	Type		m ² per litre
Marble Travertine Limestone	Polished	Yes	N/A
	Unpolished	Yes	N/A
Granite	Polished	Yes	10 – 19
	Unpolished	Yes	9 – 14
Sandstone*	Unpolished	Yes	6 – 10
Slate*	Unpolished	Yes	9 – 14
Fired Clay*	Brick	Yes	6 – 12
	Tile	Yes	
	Terracotta	Yes	
	Pavers	Yes	
Concrete*	Block	Yes	6 - 14
	Brick	Yes	
	Tile	Yes	
	Precast Panels	Yes	
	Pavers	Yes	
	Cast in place	Yes	

* *May have limited effectiveness on highly porous surfaces.*

SL100 complies with all known regulations limiting the volatile organic compound (VOC) of architectural

coatings and sealers. VOC does not exceed 350 grams per litre.

Advantages

- Long lasting protection
- Does not form a surface film or gloss
- Treated surfaces breathe – SL100 does not entrap moisture
- Coverage rate increased 2 to 4 times over typical water repellent or chloride screen
- Excellent for protecting dense architectural concrete and GFRC

Limitations

- Not recommended for asphalt or other non masonry materials
- Surface and air temperatures should not exceed 38°C at time of application. Avoid application on hot, windy days
- May not be effective on some types of limestone or marble. Always test natural stone to ensure desired results
- Not recommended for below grade applications or for use under hydrostatic pressure

Technical Data

Active substance:	Alkyl alkoxy silane
Active content:	100%
Form:	Clear liquid
Specific gravity:	0.909 (minimum)
Flash point:	14°C
VOC:	350 grams per litre

Preparation

Protect surrounding surfaces and beware of wind drift.

If possible, install all caulking, patching and joint sealants prior to application of SL100. To ensure maximum penetration, clean surfaces thoroughly to remove all dirt, oil, grease and other contaminants. New concrete should be thoroughly cured before application of SL100. Slick trowel finished concrete should be slightly etched for best performance. Surfaces treated may be damp but should be absorbent to ensure good penetration of SL100.

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Equipment

Preferred method of application is with a low compression sprayer. Brushes or rollers are not suitable for large scale operations.

Pretesting

Always test each type of surface before overall application to ensure suitability and desired results. Apply test area according to the following application procedures. Allow area to dry thoroughly before inspection and approval.

Dilutions

Weather Seal SL100 should be applied as packaged. Do not dilute or alter material.

Application Instructions – Horizontal Surfaces

1. Apply SL100 in a single application with sufficient material so that the surface remains wet for approximately one minute before penetrating.
2. Broom out all puddles thoroughly until they completely penetrate the surface.

Application Instructions – Vertical Surfaces

1. SL100 should be applied in a single saturating application with sufficient material to thoroughly wet the surface and create a slight rundown below the spray pattern. Apply uniformly and avoid over application.
2. Heavy runs and drips should be thoroughly brushed into the surface.

On extremely porous substrates, 2 applications of SL100 will provide superior protection. Apply the second coat immediately after the first coat has penetrated. Control application so that the second coat is applied within a few minutes after the first coat appears dry.

Coverage Rates

SL100 is formulated for spray application at extended coverage rates when compared to conventional water repellent treatments.

Coverage rates will vary according to surface porosity, texture, dilution rate and condition.

Packing

1 x 25 litre plastic container.

Safety Information

Causes skin and eye irritation. Do not swallow. Wear suitable PPE - plastic, rubber or PVC protective suit, goggles, boots and gloves to avoid splash to bear skin or eyes. Always refer to material safety data sheet before use.

Technical Data

Contains methanol.

Shelf Life

SL100 may be stored for up to 3 years in a tightly sealed, unopened container.

This Product Data is compiled to be of assistance but is without guarantee. Users are responsible for safe working practices. Always refer to msds for full information before using this product.