

Durex® Silane WRS 40

Clear 40% Silane Breathable Water-Repellent Sealer

Description	Durex® Silane WRS 40 Clear 40% Silane Breathable Water-Repellent Sealer is a single-component silane-based water-repellent sealer which is formulated to be used as a high-performance waterproofing and water-repellent alkoxy silane sealer ideal for protecting concrete and masonry surfaces.
Uses	Durex® Silane WRS 40 has the ability to penetrate deep into the masonry or concrete substrate. The deep penetration protects it from weathering, ultraviolet radiation and abrasion. Durex® Silane WRS 40 will significantly reduce chloride ion intrusion and will enable the concrete and masonry to breathe. Corrosion activity can therefore be reduced.
Ideal For	<ul style="list-style-type: none"> • Parkades • Ramps • Traffic decks
Features	<ul style="list-style-type: none"> • Alkali resistant • Excellent moisture vapour transmission • Meets ASTM C-309 requirements for unit moisture loss (<0.055 g/cm² of surface at 72 hours) • Meets ASTM C-1315 requirements for water retention • Longer lasting water repellency properties • Deep substrate penetration

TECHNICAL DATA

PHYSICAL PROPERTIES

Colour	Clear
Resin Type	Alkoxy silane
Coverage	Concrete: 4.8 m ² /L (200 ft ² /gal) Walls and Building Envelopes: 5 m ² /L (204 ft ² /gal) (Note: Actual coverage will vary depending on the porosity and composition of the substrate)
Cure Time @ 23°C (75°F)	To touch: 1 hour Fully cured: 12 hours
V.O.C. (without water)	< 350 g/L
Non-Volatile	40% by weight
Reducer/Clean-Up	Mineral spirits or isopropyl alcohol

PERFORMANCE PROPERTIES

TEST METHOD

RESULTS

Specific Gravity	ASTM D333	0.86 kg/L 6.8 lb/gal
Moisture Penetration and Absorption	Moisture Penetration through masonry CMU (ASTM E514)	99.5%
	Reduction in Water Absorption vs. Untreated (ASTM C67)	99.6%
	Reduction in Water Absorption vs. Untreated (ASTM C140)	97%

Packaging	Durex® Silane WRS 40 is packaged in 18.9 L (5 gal) pails. This product is available in clear.
Storage Conditions	Store Durex® Silane WRS 40 in a dry, vented, waterproof location, stacked off the ground, out of direct sunlight and other detrimental conditions. Store liquid materials in ambient temperatures above 10 degrees C and below 35 degrees C. KEEP FROM FREEZING.
Surface Preparation	All substrates must be properly cleaned before the application of any sealer. Shot-blast or sand-blast are generally acceptable means of surface preparation for a concrete slab.

Application	Durex® Silane WRS 40 is supplied ready to use. It can be applied by brush, roller or spray, and can be applied at temperatures down to -10 degrees C (14 degrees F), as long as the surface is frost and ice free both on and inside the substrate. Durex® Silane WRS 40 is not moisture sensitive. For best depth penetration, it is recommended that the sealer be applied when the substrate surface is dry. Durex® Silane WRS 40 is also supplied with a catalyst to improve its performance when applied to carbonate concrete. Do not apply Durex® Silane WRS 40 if rain is expected within a 12 hour period.
Clean-Up	Clean tools and equipment immediately with mineral spirits.
Limitations	Durex® Silane WRS 40 will not inhibit water penetration through unsound or cracked surfaces, or surfaces with defective flashing, caulking or structural waterproofing. This product shall be applied between -10 degrees C and 35 degrees C, providing the surface is free of frost.
Health and Safety	Read Safety Data Sheet prior to handling, storage and use. Avoid contact with eyes and prolonged contact with skin. If contact occurs, flush immediately with water and seek medical attention if irritation occurs. Harmful if swallowed. Wear necessary protective clothing when applying and handling product. Keep product out of reach of children. Read published Material Safety Data Sheet for additional information.
Warranty	Durabond warrants this product is free of manufacturing defects, and will replace at no charge, provided it has been applied within 12 months of purchase, it has been installed for uses suitable for this product and in accordance with the manufacturer's instructions.
Technical Services	Technical support is available upon request at info@durabond.com . For the latest version of this data sheet, please visit our website at www.durabond.com , call toll free at 1-877-DURABOND (387-2266) or speak with your Durabond Technical Coatings Ltd sales representative.

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