



NATIONAL WATER REPELLENT (S.B.)
DECORATIVE COATINGS

TECHNICAL DATA SHEET

NATIONAL WATER REPELLENT (S.B.)

PRODUCT DESCRIPTION	National Water Repellent is a silane-siloxane polymer mixture in solvent, having excellent capillary penetrations and adhesion to concrete, natural stones, plaster, etc. This enhances a uniform coating to all capillaries and improves the toughness with excellent water repellency and salt resistance. It is an organic transparent matt clear coating for mineral substrate protection.
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RECOMMENDED USES	National Water Repellent provides excellent water resistance and long lasting protection to concrete and natural stones, without any change in original colour and appearance. It is hydrophobic in nature and is used for the impregnation of building blocks to improve toughness and salt resistance in construction field.
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TECHNICAL DATA

COLOUR OF LIQUID	Clear / Transparent
PENETRATION	2 – 3 mm (depends on surface)
ODOUR	Mild
SPECIFIC GRAVITY	0.85 ± 0.03
THEORETICAL SPREADING	Depends on surface porosity
RECOMMENDED DFT (DRY FILM)	Apprx. 5 – 10 Microns/Coat (depends on surface)
RECOMMENDED WFT (WET FILM)	Depends on surface porosity
FLASH POINT	35°C

DRYING TIME

Drying time @ 30°C (Temperature, humidity, air movement, film thickness and number of coats all affect the drying time.)	
TOUCH DRY	5 – 10 minutes
DRY TO OVER COAT	2 – 3 hours
FULL DRY	24 hours

ADVANTAGES

NATIONAL WATER REPELLENT (S.B.) SYSTEM	Excellent and rapid development of water repellency, prevents re-icing of salts into the capillaries of substrates, excellent penetration and adhesion to mineral substrates, no tack retaining after dry, no change in original colour and appearance.
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APPLICATION INSTRUCTION

SURFACE PREPARATION	Before application, the surface should be sound, clean and free from oil, grease, loose particles, dust, etc. Application can be done by the recommended application methods.
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APPLICATION DATA

APPLICATION METHOD	Roller, Brush, Spray, Dip
CLEANING/THINNING	GP Thinner
THINNER (VOLUME)	Ready for use

SYSTEM

RECOMMENDED SYSTEM To be applied on prepared surface.	1. Apply one coat of National Water Repellent, allow it to dry. If required additional coats can also be applied.
	2. For impregnation of building blocks, dip the blocks in 1:1 diluted liquid for 5 minutes and allow to dry.

NATIONAL/INTERNATIONAL TEST CERTIFICATES

Sr. No.	Test Description	Test Reference	Compliance
1	Water Absorption (Concrete)	ASTM C 140	
2	Water Absorption (Hardened Concrete)	ASTM C 642	
3	U.V. Resistance	ASTM G 53	
4	Water Permeability	BS EN 12390 Part 8:2000	
5	Rapid Chloride Permeability	ASTM C 1202:97	

ADDITIONAL DATA

SHELF LIFE @ 30°C	12 months, in original sealed container, with proper storage conditions.
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HEALTH & SAFETY

SAFETY PRECAUTIONS	<p>As a general rule, avoid skin and eye contact by wearing overalls, gloves, goggles, and mask etc. Spillage on skin should immediately be removed by thorough washing with water and soap or suitable cleaner. Eye should be flushed with fresh water. Avoid inhalation of vapours and paint mist by wearing suitable mask. In the event of ingestion and eye contact, seek medical attention immediately. Painting must be carried out in well-ventilated area.</p> <p>This product contains flammable materials and should be kept away from the sparks and open flames, smoking in the area should not be permitted. Local safety regulations should be followed.</p>
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STORAGE & HANDLING

STORAGE	<p>Store the paint in proper storage conditions as per the local regulations. Keep the paint container in sealed condition under shed, away from direct sunlight and extreme temperatures. Do not stock paint material near to any ignition sources. Do not put back the half or unused material back in original container, containing the supplied paint, to avoid contamination. Handle with care. Stir well before use.</p>
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NOTE: We warranty only the quality of our product and this data sheet is based on results obtained from experience and tests. We reserve the right to change data without prior notice. For surface preparation, safety details refer specifier and safety data.

This data sheet supersedes all previous issued.
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