



**NATIONAL WATER REPELLENT (W.B.)**  
**DECORATIVE COATINGS**

**TECHNICAL DATA SHEET**

## **NATIONAL WATER REPELLENT (W.B.)**

<b>PRODUCT DESCRIPTION</b>	National Water Repellent (W.B.) is a silane-siloxane mixture in water-based emulsion having excellent capillary penetrations and adhesion to concrete, natural stones, plaster, gypsum board etc. This enhances a uniform coating to all capillaries and improves the toughness with excellent water repellency and salt resistance. It is an inorganic transparent matt clear coating for mineral substrate protection. It contains anti fungal and anti bacterial additives.
<b>RECOMMENDED USES</b>	National Water Repellent (W.B.) is a factual selection to provide excellent water resistance to concrete, natural stones, gypsum board etc. without any change in original colour and appearance. The dry film is hydrophobic in nature and is used also for the impregnation of construction blocks to improve toughness and salt resistance in the construction field.

### **TECHNICAL DATA**

<b>COLOUR OF LIQUID</b>	Slightly Hazy/Cloudy
<b>PENETRATION</b>	2 – 3 mm (depends on surface)
<b>ODOUR</b>	Very mild
<b>SPECIFIC GRAVITY</b>	1.00 ± 0.03
<b>THEORETICAL SPREADING</b>	Depends on surface penetration
<b>RECOMMENDED DFT (DRY FILM)</b>	Apprx. 5 – 10 Microns/Coat (Depends on surface)
<b>RECOMMENDED WFT (WET FILM)</b>	Depends on the surface porosity.
<b>FLASH POINT</b>	Water Base

### **DRYING TIME**

Drying time @ 30°C (Temperature, humidity, air movement, film thickness and number of coats all affect the drying time.)	
<b>TOUCH DRY</b>	5 – 15 minutes
<b>DRY TO OVER COAT</b>	3 – 4 hours
<b>FULL DRY</b>	24 hours



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### **ADVANTAGES**

<b>NATIONAL WATER REPELLENT (W.B.)</b>	Excellent and rapid development of water repellency prevents re-icing 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, water based, low VOC.
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### **APPLICATION INSTRUCTION**

<b>SURFACE PREPARATION</b>	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**

<b>APPLICATION METHOD</b>	Brush, brush, spray
<b>CLEANING/THINNING</b>	Water
<b>THINNER (VOLUME)</b>	Ready to use

### **SYSTEM**

<b>RECOMMENDED SYSTEM</b> To be applied on prepared surface.	Apply one coat of National Water Repellent (W.B.) allow to dry. If required additional coats can also be applied, depending on the nature and porosity of surface. It can also be applied on any existing water based painted surface to make it water repellent.
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### **NATIONAL/INTERNATIONAL TEST CERTIFICATES**

<b>Sr. No.</b>	<b>Test Description</b>	<b>Test Reference</b>	<b>Compliance</b>
1	VOC	ISO 11890-2	Local Regulatory Requirements
2	Water Absorption(Concrete)	ASTM C 140	
3	Water Absorption (Hardened Concrete)	ASTM C 642	
4	U.V. Resistance	ASTM G 53	
5	Water Permeability	BS EN 12390 Part 8:2000	
6	Rapid Chloride Permeability	ASTM C 1202:97	



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### **ADDITIONAL DATA**

<b>SHELF LIFE @ 30°C</b>	12 months, in original sealed container, with proper storage conditions.
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### **HEALTH & SAFETY**

<b>SAFETY PRECAUTIONS</b>	Generally, most of the water base paints are quite safe to handle with due precautions. 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. Local safety regulations to be followed.
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### **STORAGE & HANDLING**

<b>STORAGE</b>	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 keep 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.
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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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