



**NATIONAL BITUMEN EMULSION PAINT**  
**DECORATIVE COATINGS**

**TECHNICAL DATA SHEET**

## NATIONAL BITUMEN EMULSION PAINT

<b>PRODUCT DESCRIPTION</b>	National Bitumen Emulsion Paint is a physically drying emulsified bituminous coating, consisting of a selected grade of top quality bitumen dispersed in an aqueous phase, with chemical surfactants and stabilizers. It provides excellent resistance to the aggressive action of chlorides, sulphates and other moisture borne contaminants on substrates. It has excellent wetting and adhesion properties on various substrates.
<b>RECOMMENDED USES</b>	It is mostly used as a protective coating on concrete and steel. It is also used as a curing membrane for concrete slabs. It can also be used in the masonry works. It is suitable for the surfaces like concrete, plaster, hollow blocks, brickwork, asbestos etc. It is applied on exterior walls to prevent capillary action of moisture and salt into the concrete surface from the soil. National Bitumen Emulsion Paint does not require any special surface pretreatment.

### TECHNICAL DATA

<b>COLOUR, DRY FILM</b>	Black
<b>FINISH, DRY FILM</b>	Smooth/Opaque/Matt
<b>VOLUME SOLIDS (ASTM D2697)</b>	60 ± 2%
<b>SPECIFIC GRAVITY</b>	1.02 ± 0.03
<b>THEORETICAL SPREADING</b>	8.0 – 4.0 M <sup>2</sup> /LTR
<b>RECOMMENDED DFT (DRY FILM)</b>	75 – 150 Microns/Coat (Depends on surface)
<b>RECOMMENDED WFT (WET FILM)</b>	125 – 250 Microns/Coat
<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>	6 – 8 hours
<b>DRY TO RECOAT</b>	24 hours (Maximum)

### ADVANTAGES

<b>NATIONAL BITUMEN EMULSION PAINT</b>	Physical drying, excellent resistant to moisture and salts, excellent wetting and adhesion, does not require any special surface pretreatment, easy to recoat.
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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, Roller, Spray etc.
<b>THINNING</b>	Water
<b>THINNER (VOLUME)</b>	5 – 10% water depends on the method of application
<b>CLEANING</b>	Water / GP Thinner
<b>AIRLESS SPRAY REQUIREMENTS</b>	1800 – 2000 psi
<b>NOZZLE SIZE</b>	0.017” – 0.020”
<b>MIXING RATIO (BY VOLUME)</b>	Not Applicable
<b>POT LIFE @ 30°C (100 ml)</b>	Not Applicable

**SYSTEM**

By Brush, to vertical and horizontal surfaces, Ensure that the surfaces are free from dust, oil, grease, rust, etc. On very absorbent surfaces, apply 1:1 diluted with water and apply second coat until the first has achieved the touch dry condition. Large areas, the use of airless spray are advised. Dilute 5 – 10% with clean water.
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**ADDITIONAL DATA**

<b>SHELF LIFE @ 30°C</b>	18 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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