



**NATIONAL ULTIMA EMULSION**  
DECORATIVE COATINGS

**TECHNICAL DATA SHEET**

## NATIONAL ULTIMA EMULSION

<b>PRODUCT DESCRIPTION</b>	National Ultima Emulsion is acrylic copolymer emulsion based paint, with good quality pigments and filler, gives superior protection to interior/exterior surfaces. It has an attractive matt finish with special orange peel type texture and provides very good alkali resistance and weather resistance. It can also hides hairline cracks on the surface. It is a flexible and elastomeric coating with good crack bridgeability. It contains anti fungal and anti bacterial additives.
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<b>RECOMMENDED USES</b>	National Ultima Emulsion is used as a decorative coating with a matt finish to interior/exterior surfaces of concrete, plaster, gypsum, brickwork, masonry, wood, etc. It can also be used as a design textured finish for balconies and corridors etc. as a non-scratchable decorative coating. It can be used for old and new surfaces applications. It can hide hairline cracks and minor surface imperfections.
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### TECHNICAL DATA

<b>COLOUR, DRY FILM</b>	As per National shade card
<b>FINISH, DRY FILM</b>	Light/medium design texture/matt
<b>VOLUME SOLIDS (ASTM D2697)</b>	60 ± 2%
<b>SPECIFIC GRAVITY</b>	1.70 ± 0.05 (for white & pastel shades)
<b>THEORETICAL SPREADING</b>	2.4 – 1.2 M <sup>2</sup> /LTR
<b>RECOMMENDED DFT (DRY FILM)</b>	250 – 500 Microns/Coat (Depends on surface)
<b>RECOMMENDED WFT (WET FILM)</b>	415 – 830 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>	1 – 2 hours
<b>DRY TO RECOAT</b>	24 hours
<b>FULL DRY</b>	48 hours

### ADVANTAGES

<b>NATIONAL ULTIMA EMULSION</b>	Flexible, elastomeric coating, very good alkali resistance and good crack bridgeability, very good weather resistance, textured finish with matt appearance, economical.
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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>	Sponge roller
<b>CLEANING/THINNING</b>	Water
<b>THINNER (VOLUME)</b>	Ready for use (if required max. 5% water)
<b>CONV. SPRAY REQUIREMENTS</b>	NA
<b>AIRLESS SPRAY REQUIREMENTS</b>	NA
<b>NOZZLE SIZE</b>	NA
<b>MIXING RATIO (BY VOLUME)</b>	NA
<b>POT LIFE AT 30°C (100 ml)</b>	NA

### **SYSTEM**

<b>RECOMMENDED SYSTEM</b> To be applied on prepared surface	National PVA Primer Sealer for Masonry (OR) : 1 coat
	National Acrylic Primer (W.B.) : 1 coat
	National Ultima Emulsion : 2 coats
	(OR)
	National Tex Primer : 1 coat
	National Ultima Emulsion : 1 – 2 coats

### **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 based 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 test.  
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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