



**NATIONAL EGGSHELL EMULSION (MATT)  
DECORATIVE COATINGS**

**TECHNICAL DATA SHEET**

## NATIONAL EGGSHELL EMULSION (MATT)

<b>PRODUCT DESCRIPTION</b>	National Eggshell Emulsion (Matt) is a superior quality acrylic co-polymer based, highly washable emulsion paint for interior/exterior surfaces. It has excellent alkali resistance and weather resistance property. It provides an anti chalking smooth lustrous eggshell finish having excellent UV resistance. It contains anti fungal and anti bacterial additives.
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<b>RECOMMENDED USES</b>	National Eggshell Emulsion (Matt) is mostly suitable for the decorative applications on interior/exterior surfaces like concrete, plaster, brickwork, masonry, gypsum board, asbestos, wood etc. It is recommended for the interior/exterior applications of flats, buildings, offices, boundary walls etc. It can also be applied on wooden surfaces.
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### TECHNICAL DATA

<b>COLOUR, DRY FILM FINISH, DRY FILM</b>	As per the National Shade Card Smooth / Eggshell Matt
<b>VOLUME SOLIDS (ASTM D2697)</b>	44 ± 2%
<b>SPECIFIC GRAVITY</b>	1.40 ± 0.05
<b>THEORETICAL SPREADING</b>	11 – 9 M <sup>2</sup> /LTR
<b>RECOMMENDED DFT (DRY FILM)</b>	40 – 50 Microns / Coat
<b>RECOMMENDED WFT (WET FILM)</b>	90 – 115 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 hour
<b>DRY TO RECOAT</b>	2 – 4 hours
<b>FULL DRY</b>	24 hours

### ADVANTAGES

<b>NATIONAL EGGSHELL EMULSION (MATT)</b>	Highly washable and easy for cleaning, excellent alkali resistance, excellent weather & UV resistance, provides anti chalking property, offers beautiful lustrous eggshell matt finish with excellent adhesion.
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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>	Roller, Brush or Spray
<b>CLEANING/THINNING</b>	Water
<b>THINNER (VOLUME)</b>	5 – 10% depends on the method of application
<b>CONV. SPRAY REQUIREMENTS</b>	Possible
<b>AIRLESS SPRAY REQUIREMENTS</b>	Pressure: 2000-2500 psi
<b>NOZZLE SIZE</b>	0.018” - 0.021”
<b>MIXING RATIO (BY VOLUME)</b>	NA
<b>POT LIFE @ 30°c (100 ml)</b>	NA

**SYSTEM**

<b>RECOMMENDED SYSTEM</b> To be applied on prepared surface.	National PVA Primer Sealer for Masonry	: 1 coat
	(OR)	
	National PVA Primer White for Masonry	: 1 coat
	(OR)	
	National Acrylic Primer (W.B.)	: 1 coat
	National Stucco Filler (Interior)	: 2 coats
	(OR)	
	National Shield Exterior Filler (Exterior)	: 2 coats
National Eggshell Emulsion (Matt)	: 2 coats	



**NATIONAL/INTERNATIONAL TEST CERTIFICATES**

<b>Sr. No.</b>	<b>Test Description</b>	<b>Test Reference</b>	<b>Compliance</b>
1	VOC	ISO 11890 – 2 USEPA 8260 USEPA 24	Local Regulatory Requirements
2	Heavy Metal (Arsenic, Cadmium, Mercury, Lead, Hexavalent Chromium, Antimony, TBT, TPT)	ICP-AES IHP/GC-MS	Local Regulatory Requirements
3	Formaldehyde	USEPA 8260 / 3510	Local Regulatory Requirements
4	Anti – Fungal Properties	ASTM D 3273	
5	Wet Scrub Resistance	CLFN2 / BS EN ISO 11998 for 200 cycles / EN 13300 Classification 2	
6	Water Vapor Transmission Rate	TP / 950 / 09 / 16074 Technology Centre, UK	
7	Scrub Resistance	ASTM D 2486	

**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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