



**NATIONAL EGGSHELL ANTIFUNGAL EMULSION**

<b>PRODUCT DESCRIPTION</b>	National Eggshell Antifungal Emulsion paint is based on a specially modified acrylic co-polymer for the protection of interior/exterior coated surfaces from the growth of fungal, algae, moulds, yeasts etc., which may cause infection and deterioration of coated surfaces. It contains broad activity spectrum against the fungus, bacteria, moulds etc. It has very good adhesion and excellent alkali resistance. It is highly washable and the dry film is non-toxic human contact.
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<b>RECOMMENDED USES</b>	It is recommended for interior/exterior surfaces like concrete, bricks, gypsum, plaster, asbestos, masonry works etc. where having the possibility of microbes contaminations are more. It is used as antifungal decorative coating for flats, offices, buildings etc. applications. It can also be used for wooden surfaces. It is recommended as a suitable antifungal coating for storage rooms, garbage rooms etc. applications.
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**TECHNICAL DATA**

<b>COLOUR, DRY FILM</b>	As per the National Shade Card	
<b>FINISH, DRY FILM</b>	Smooth / Matt	Smooth / Silky
<b>VOLUME SOLIDS (ASTM D2697)</b>	44 ± 2%	44 ± 2%
<b>SPECIFIC GRAVITY</b>	1.40 ± 0.05	1.30 ± 0.05
<b>THEORETICAL SPREADING</b>	Max. 12.5 – Min. 6 M <sup>2</sup> /LTR	Max. 12.5 – Min. 6 M <sup>2</sup> /LTR
<b>RECOMMENDED DFT (DRY FILM)</b>	Min. 35 – Max. 75 µ/Coat, Typical 65 µ/Coat	Min. 35 – Max. 75 µ/Coat, Typical 65 µ/Coat
<b>RECOMMENDED WFT (WET FILM)</b>	Min. 80 – Max. 170 µ/Coat, Typical 150 µ/Coat	Min. 80 – Max. 170 µ/Coat, Typical 150 µ/Coat
<b>FLASH POINT</b>	Water Base	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>	6 – 8 hours



**ADVANTAGES**

<b>NATIONAL EGGSHELL ANTIFUNGAL EMULSION</b>	Excellent antifungal property, highly washable, excellent alkali resistance, long lasting beauty to the surfaces, very good adhesion, weather resistance and non-toxic to human contact.
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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, Spray etc.
<b>CLEANING/THINNING</b>	Water (Clean)
<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 Acrylic Primer (W.B.)	: 1 coat
	National Eggshell Antifungal Emulsion	: 2 coats
	Suitable filler can be used for surface leveling prior to topcoat application.	

**NATIONAL/INTERNATIONAL TEST CERTIFICATES**

<b>Sr. No.</b>	<b>Test Description</b>	<b>Test Reference</b>	<b>Compliance</b>
1	VOC	USEPA 8260	Local Regulatory Requirements
2	Formaldehyde	USEPA 8260 / 3510	Local Regulatory Requirements
3	Antifungal Properties	ASTM D 3273	

**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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