# NATIONAL EGGSHELL ANTIFUNGAL EMULSION

## PRODUCT DESCRIPTION
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.

## RECOMMENDED USES
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.

## TECHNICAL DATA

<table>
<thead>
<tr>
<th>COLOUR, DRY FILM</th>
<th>As per the National Shade Card</th>
</tr>
</thead>
<tbody>
<tr>
<td>FINISH, DRY FILM</td>
<td>Smooth / Matt, Smooth / Silky</td>
</tr>
<tr>
<td>VOLUME SOLIDS (ASTM D2697)</td>
<td>44 ± 2%, 44 ± 2%</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY</td>
<td>1.40 ± 0.05, 1.30 ± 0.05</td>
</tr>
<tr>
<td>THEORETICAL SPREADING</td>
<td>Max. 12.5 – Min. 6 M²/LTR, Max. 12.5 – Min. 6 M²/LTR</td>
</tr>
<tr>
<td>RECOMMENDED DFT (DRY FILM)</td>
<td>Min. 35 – Max. 75 µ/Coat, Typical 65 µ/Coat</td>
</tr>
<tr>
<td>RECOMMENDED WFT (WET FILM)</td>
<td>Min. 80 – Max. 170 µ/Coat, Typical 150 µ/Coat</td>
</tr>
<tr>
<td>FLASH POINT</td>
<td>Water Base, Water Base</td>
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</tbody>
</table>

## DRYING TIME
Drying time @ 30°C (Temperature, humidity, air movement, film thickness and number of coats all affect the drying time.)

| TOUCH DRY | 1 hour |
| DRY TO RECOAT | 2 – 4 hours |
| FULL DRY | 6 – 8 hours |
ADVANTAGES

NATIONAL EGGSHELL ANTIFUNGAL EMULSION

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.

APPLICATION INSTRUCTION

SURFACE PREPARATION

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.

APPLICATION DATA

APPLICATION METHOD
Roller, Brush, Spray etc.

CLEANING/THINNING
Water (Clean)

THINNER (VOLUME)
5 – 10% depends on the method of application

CONV. SPRAY REQUIREMENTS
Possible

AIRLESS SPRAY REQUIREMENTS
Pressure: 2000-2500 psi

NOZZLE SIZE
0.018” - 0.021”

MIXING RATIO (BY VOLUME)
NA

POT LIFE @ 30ºc (100 ml)
NA

SYSTEM

RECOMMENDED SYSTEM
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

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Test Description</th>
<th>Test Reference</th>
<th>Compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>VOC</td>
<td>USEPA 8260</td>
<td>Local Regulatory Requirements</td>
</tr>
<tr>
<td>2</td>
<td>Formaldehyde</td>
<td>USEPA 8260 / 3510</td>
<td>Local Regulatory Requirements</td>
</tr>
<tr>
<td>3</td>
<td>Antifungal Properties</td>
<td>ASTM D 3273</td>
<td></td>
</tr>
</tbody>
</table>

ADDITIONAL DATA

SHELF LIFE @ 30ºC
18 months, in original sealed container, with proper storage conditions.
HEALTH & SAFETY

| SAFETY PRECAUTIONS | 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. |

STORAGE & HANDLING

| STORAGE | 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. |

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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