NATIONAL LATEX EMULSION

PRODUCT DESCRIPTION

National Latex Emulsion is modified Acrylic copolymer based washable interior/exterior emulsion paint with a smooth flat decorative finish. It offers excellent adhesion and recoatability. It is for masonry application purpose, with good alkali resistance. It contains anti bacterial and anti fungal additives.

RECOMMENDED USES

National Latex Emulsion is recommended as a decorative finish for interior or exterior application on concrete, plaster, brickwork, asbestos, wood etc. It is also recommended to seal the stucco filler and gypsum board surfaces. It is always recommended as an economical and general purpose painting system.

TECHNICAL DATA

COLOUR, DRY FILM

As per the National Shade Card

FINISH, DRY FILM

Smooth, Matt

VOLUME SOLIDS

38 ± 2%

SPECIFIC GRAVITY

1.40 ± 0.05

THEORETICAL SPREADING

Max. 10.8 – Min. 5.0 M²/LTR, Typical 5.8 M²/LTR

RECOMMENDED DFT

Min. 35 – Max. 75 µ/Coat, Typical 65 µ/Coat

RECOMMENDED WFT

Min. 95 – Max. 200 µ/Coat, Typical 170 µ/Coat

FLASH POINT

Water Base

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

24 hours

ADVANTAGES

Economical decorative finish for exterior/interior, excellent recoatability, good flow and leveling, smooth and matt finish.
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 or Spray

CLEANING/THINNING
Water

THINNER (VOLUME)
10 – 15% 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 @ 30°C (100 ml)
NA

SYSTEM

RECOMMENDED SYSTEM
To be applied on prepared surface.

National PVA Primer Sealer for Masonry (OR) : 1 coat

National PVA Primer White for Masonry (OR) : 1 coat

National Acrylic Primer (W.B.) : 1 coat

National Stucco Filler (For Interior) : 2 coats

National Latex Emulsion : 2 coats

NATIONAL/INTERNATIONAL TEST CERTIFICATES

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Test Description</th>
<th>Test Reference</th>
<th>Compliance</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>VOC</td>
<td>ISO 11890 – 2 GC - FID</td>
<td>Local Regulatory Requirements</td>
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<tr>
<td>2</td>
<td>Heavy Metals (Arsenic, Cadmium, Mercury, Lead, Hexavalent Chromium, Antimony, TBT, TPT)</td>
<td>ICP-AES IHP/GC-MS</td>
<td>Local Regulatory Requirements</td>
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<tr>
<td>3</td>
<td>Formaldehyde</td>
<td>USEPA 8260 / 3510</td>
<td>Local Regulatory Requirements</td>
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<tr>
<td>4</td>
<td>Wet Scrub Resistance</td>
<td>CLFN2 / BS EN 11998 for 200 cycles</td>
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<tr>
<td>5</td>
<td>Water Vapor Transmission Rate</td>
<td>TP/950/09/16074 Technology Centre, UK</td>
<td></td>
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<td>6</td>
<td>Crack Bridging Ability</td>
<td>ASTM C 1305</td>
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<tr>
<td>7</td>
<td>Resistance to growth of Mold</td>
<td>ASTM D 3273 – 12</td>
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</table>
Bacterial Resistance | ASTM D 2574

**ADDITIONAL DATA**

| SHELF LIFE @ 30°C | 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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