# NATIONAL GUARD PRIMER FOR CEMENT CLEAR

## PRODUCT DESCRIPTION

A two pack Polyamide Cured Epoxy Primer Clear, with excellent penetrating properties in various surfaces. It has excellent adhesion, water resistance and chemical resistance. The dried film has very good sealing properties. It has excellent salt resistance properties.

## RECOMMENDED USES

General Purpose Epoxy primer for cement, wood, wall, stones etc. Primer and sealer for Full Epoxy System. Primer for epoxy textured coatings, epoxy flooring system. Can be over coated with Acrylic, Polyurethane, Epoxy systems. Suitable for old and new cementious surfaces as dust binder.

## TECHNICAL DATA

<table>
<thead>
<tr>
<th>COLOUR, DRY FILM</th>
<th>Clear</th>
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<tbody>
<tr>
<td>FINISH, DRY FILM</td>
<td>Glossy</td>
</tr>
<tr>
<td>VOLUME SOLIDS (ASTM D2697)</td>
<td>34 ± 2%</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY</td>
<td>0.95 ± 0.05 (of mix)</td>
</tr>
<tr>
<td>THEORETICAL SPREADING RANGE</td>
<td>11.3 – 8.5 M²/LTR</td>
</tr>
<tr>
<td>RECOMMENDED DFT RANGE (DRY FILM THICKNESS)</td>
<td>30 – 40 Microns/Coat</td>
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<tr>
<td>RECOMMENDED WFT RANGE (WET FILM THICKNESS)</td>
<td>90 – 120 Microns/Coat</td>
</tr>
<tr>
<td>FLASH POINT</td>
<td>25°C</td>
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<tr>
<td>FLEXIBILITY</td>
<td>Good</td>
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</tbody>
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## DRYING TIME

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

- TOUCH DRY 3 – 6 hours
- *DRY TO RECOAT / OVERCOAT* 12 hours (minimum) – 72 hours (maximum)
- FULLY CURED 7 days

*With same generic paint system.

## ADVANTAGES

Two components Epoxy Primer/Sealer, Excellent-penetrating properties. Excellent adhesion on various surfaces. Better water and chemical resistance, good sanding properties, suitable as a dust binder for weak and chalky plastered surfaces.
APPLICATION INSTRUCTION

SURFACE PREPARATION

New Construction: Concrete floors, to be coated should be allowed to cure for at least 28 days. Floor should be sound, clean and free from oils, grease, mortar, loose particles, dust etc. Laitance should be removed by the use of mechanical means such as vacuum recovery shot blasting. Moisture content should be less than 5%.

Existing substrate: All contamination must be removed and a sound clean substrate should be exposed. Mechanical means of preparation are preferred followed by the removal of dust and other loose debris using an industrial vacuum. All cracks and minor damage-surface should be repaired and allow to dry prior to priming.

APPLICATION DATA

APPLICATION METHOD
Brush, Roller or Spray

CLEANING/THINNING
National Epoxy Thinner (thinner should only be added after mixing the components)

THINNER (VOLUME)
5-10% depending on method of applications

CONV. SPRAY REQUIREMENTS
Atomizing pressure: 40 psi

AIRLESS SPRAY REQUIREMENTS
Pressure : 2200 psi

NOZZLE SIZE
0.015” – 0.018”

MIXING RATIO (BY VOLUME)
Base : Hardener
4 : 1 (Mix properly, keep for 10-15 minutes before use)

POT LIFE @ 30ºc (100 ml)
8 hours (reduced at higher temperature)
Note: material may gel at elevated temperature.

SYSTEM

RECOMMENDED SYSTEM
To be applied on prepared surface.

No. of coats x DFT (micron)

For cementitious surface, walls, wood:

National Guard Primer for Cement (Clear) : 1 x 40
National Guard Undercoat H.B. : 1 x 25
National Guard Topcoat (OR) : 2 x 50
Nationalthane Topcoat : 2 x 50

For Floorings:
National Guard Primer for Cement (Clear) : 1 x 40
National Recommended Flooring System
ADDITIONAL DATA

SHELF LIFE @ 30°C | 18 months, in original sealed container, with proper storage conditions.

HEALTH & SAFETY

SAFETY PRECAUTIONS | As a general rule, avoid skin and eye contact by wearing overalls, gloves, goggles, and airmask 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 airmask. In the event of ingestion and eye contact, seek medical attention immediately. Painting must be carried out in well-ventilated area. This as industrial product, contains flammable materials and should be kept away from the sparks and open flames, smoking in the area should not be permitted. Local safety regulations should 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 stock 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.

Issued: 0215