



NATIONAL GUARD EPOXY REBAR COATING
PROTECTIVE COATINGS

TECHNICAL DATA SHEET

NATIONAL GUARD EPOXY REBAR COATING

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| PRODUCT DESCRIPTION | A two-pack polyamide cured epoxy coating for steel and non-ferrous metals to be used in immersion and atmospheric exposures. It is an anti-corrosive coating especially for Rebar applications. It has good adhesion to steel and galvanized steel with good flow and wetting properties. It is suitable for touching up of weld seams and damage to epoxy coatings during construction. It has good resistance to abrasion and chemicals. |
| RECOMMENDED USES | Anti-corrosive coating for structural steel, petrochemical plants, tanks, equipments and rebar applications. It can be over-coated with polyurethane coatings |

TECHNICAL DATA

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| COLOUR, DRY FILM | Light Green |
| FINISH, DRY FILM | Smooth / Semigloss |
| VOLUME SOLIDS (ASTM D2697) | 56 ± 2% |
| SPECIFIC GRAVITY | 1.35 ± 0.05 (of mix) |
| THEORETICAL SPREADING RANGE | 11.2 – 5.6 M ² /LTR |
| RECOMMENDED DFT RANGE (DRY FILM THICKNESS) | 50 – 100 Microns/Coat |
| RECOMMENDED WFT RANGE (WET FILM THICKNESS) | 90 – 180 Microns/Coat |
| FLASH POINT | 25°C |
| ADHESION | Good |
| WATER RESISTANCE | Good |
| CHEMICAL RESISTANCE | Good |
| ABRASION RESISTANCE | Good |

DRYING TIME

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| Drying time @ 30°C (Temperature, humidity, air movement, film thickness and number of coats all affect the drying time.) | |
| TOUCH DRY | 5 – 6 hours |
| *DRY TO RECOAT / OVERCOAT | 8 hours |
| HARD DRY | 7 days |

*With same generic type of paint.



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ADVANTAGES

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| - NATIONAL GUARD EPOXY REBAR COATING | Excellent anti-corrosive property, good flow and wetting, resistance to abrasion and various chemicals, good adhesion. |
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APPLICATION INSTRUCTION

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| - SURFACE PREPARATION | The surface should be dry and free of oil, grease, dust, scale, rust and damaged coating. For a concrete coated steel structures the concrete should be blasted, cleaned and made free from loose particles. The surface should be completely able to receive the rebar coating. |
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APPLICATION DATA

| APPLICATION METHOD | Airless Spray | Conventional Spray | Brush |
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| CLEANING/THINNING | National Epoxy Thinner (thinner should be added after mixing the components) | | |
| THINNER (VOLUME) | 5 – 10% | 10 – 15% | 10% |
| CONV. SPRAY REQUIREMENTS | Atomizing Pressure : 40 psi | | |
| AIRLESS SPRAY REQUIREMENTS | 2500 psi | | |
| NOZZLE SIZE | 0.018” – 0.020” | | |
| MIXING RATIO (BY VOLUME) | Base : Hardener 4 : 1 (Mix thoroughly, keep for 10 – 15 minutes before use) | | |
| POT LIFE @ 30°C (100 ml) | 6 hours (reduced at lower temperature) Note: material may gel at elevated temperature. | | |

SYSTEM

| RECOMMENDED SYSTEM To be applied on prepared surface. | No. of Coats x DFT (Microns) | |
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| | National Guard Epoxy Rebar Coating | : 1 x 50 |
| | National Guard Epoxy Rebar Coating | : 1 x 100 |

ADDITIONAL DATA

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

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| SAFETY PRECAUTIONS | <p>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.</p> <p>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.</p> |
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STORAGE & HANDLING

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| STORAGE | <p>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.</p> |
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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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