

NUMIX EPOXY PRIMER

DESCRIPTION

Numix epoxy primer is a two-pack polyamide cured epoxy resin-based primer for protective coating system for various substrates. It has excellent anticorrosive properties for atmospheric and immersed exposure conditions. Fully cured coating is resistant to abrasion, water and splash of mild chemicals.

RECOMMENDED USES

Anti-corrosive primer for hot dipped galvanized, aluminum, mild steel and stainless-steel surfaces in moderately to severely corrosive environments. It can be over coated with epoxy and polyurethane coatings for exterior applications.

ADVANTAGES

- Excellent anti-corrosive properties for atmospheric and immersed exposure conditions.
- Excellent adhesion.
- Fully cured coating is resistant to abrasion, water and splash of mild chemicals.

CERTIFICATIONS

Additional certificates and approval may be available on request

TYPICAL PROPERTIES

Color Dry film	Gray
Viscosity	10 - 12 Poise
Volume Solids %	50 (Part A + Part B)
Specific Gravity (kg / l)	1.55 ± 0.05
VOC (g/l)	462 - Part A , 450 - Part B
Theoretical Spreading rate (m ² /liter)	7 - 10 (Part A + Part B, w/out Reducer)
Wet film thickness (WFT) - Per Coat Microns	80
Dry film thickness (DFT) - Per Coat Microns	40
Recommended DFT (Microns)	50 - 70

PACKING SIZE

1 liter Part A and 250 mL Part B
4 liters Part A and 1 liter Part B

DRYING TIME

Temperature	Surface dry	Dry to Sand	Over coating interval with recommended top coats	
10° C	4 hours	36 hours	36 hours	7 days
20° C	3 hours	30 hours	30 hours	7 days
30° C	2 hours	24 hours	24 hours	7 days
40° C	1 hour	20 hours	20 hours	7 days

SURFACE PREPARATION

- **New Steel:** Surface should be clean, dry and free from any contamination. Oil and grease should be removed by Numix Degreaser.
- **Repair/maintenance:** For existing finish and initial sanding use below process :

Minor Jobs	Use P120 paper as an initial sanding for existing finish and then use P220.
Major Jobs	Use P80 paper as an initial sanding for existing finish and then use P180.
Wet Sanding (Manual)	First sand with P600 and then P800 to get smooth surface.
Dry Sanding (Machine)	First sand with P400 and then P500 to get smooth surface.

Remove all traces of sanding dust by blowing oil-free compressed air. Apply Numix Degreaser and wipe dry with a degreasing cloth

APPLICATION METHOD

Mixing Ratio (By Volume)	4 Base : 1 Hardener
Working pot Life@30°C	8 hours
Thinner	Numix Epoxy Thinner
Conventional spray	
Gravity Feed	Nozzle size : 1.6-2.0 mm
Suction Feed	Distance : 15-20 cm
	Pressure : 2-3 bar
	Thinner Addition : 20 - 30%
HVLP	Nozzle size : 1.6-1.8 mm
	Distance : 15-20 cm
	Pressure : 1-2 bar
	Thinner Addition : 20 - 30%

RECOMMENDED SYSTEM

2 – 3 coats (Depends on the job) Numix Epoxy Primer	50 – 70 microns (DFT)
2 – 3 coats (Depends on the job) Numix 2K Topcoat	30 – 40 microns (DFT)

Please consult National Technical team for other system recommendation.

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 safety details kindly refer safety data sheet.
This data sheet supersedes all previous issued.

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SAFETY PRECAUTIONS

- Avoid skin and eye contact by wearing overalls, gloves, goggles, and mask etc.
- Eyes: In the event of accidental splashes, flush eye with water immediately and obtain medical advice.
- Skin: Wash skin thoroughly with soap and water or approved industrial cleaner.
- Avoid inhalation of vapours and paint mist by wearing suitable mask. In the event of ingestion seek medical attention immediately.
- This product is flammable, keep away from sources of ignition. Take precautionary measures against static discharge. In the case of fire –blanket flames with foam, carbon dioxide or dry chemicals.
- Painting must be carried out in well-ventilated area. Local safety regulation needs to be followed.

STORAGE & SHELF LIFE

- Store the paint in proper storage conditions as per the local regulations.
- Keep the paint container in a 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. 18 months @ 30 ° C, in the original sealed container, with proper storage conditions