

New Middle East

نيو ميديل ايست

Supplies & Paint Trading

Factory : ElObour City.Anshas Road.

Industrial Zone

Mobile : 01003412119

Tel : 0552642530

Email : new.middle.east100@gmail.com



للتوريدات و تجارة البويات

المصنع : مدينة العبور - طريق انشاص
المنطقة الصناعية

موبايل : ٠١٠٣٤١٢١١٩

تليفون : ٠٥٥٢٦٤٢٥٣٠

Medy Pox ZP 3001

DESCRIPTION

- Two component high build polyamide cured recoatable zinc phosphate epoxy Primer

PRINCIPAL CHARACTERISTICS

- General purpose epoxy primer or build coat in protective coating systems for steel and concrete structures in atmospheric exposure
- Can be recoated with two component and conventional paints after long weathering periods
- Is lead free and chromate containing pigments
- Excellent rust preventing properties in industrial or coastal atmospheres
- Tough with long term flexibility
- Will cure event at temperature down to 10C
- A high relative humidity max 95% during application and curing does not influence the performance of the primer
- Good adhesion on steel and aged epoxy coatings
- Easy application both by airless spray and brush
- Resistant to water and splash of mild chemicals

BASIC DATA

- $1\text{g/cm}^3 = 8.25 \text{ lbs/US gal}$; $1\text{m}^2/\text{l} = 40.7 \text{ ft}^2/\text{US gal}$
(Data for mixed products at 20°C)

Specific gravity
Solid Content by Volume
Recommended film thickness

- Approx. $1.4 \text{ gm} \pm 3\% / \text{cm}^3$
- approx. 61%
- 75 – 150 μm depending on system

THEORITICAL SPREADING RATE

- 6.1 m²/l for 100 µm in ideal surface conditions

DRYING PROPERTIES (at 25°C temperature and 60% relative humidity)

- Surface (touch dry) is the state of drying when slight pressure with a finger does not leave an imprint or reveal tackiness

Touch dry

- 2 hours

Over Coating interval

Minimum 3 hours
Maximum UNLIMITED

Full cure

- 4 days

Flash Point (DIN 53213)

- Base 26°C , hardener 24 , 5°C

Recommended substrate conditions and temperatures

- Steel : blast cleaned to ISO- Sa2 1/2
- Previous coat : dry and free from contamination
- During application and curing a substrate temperature down to 10°C is acceptable. Provided the substrate is free from water or ice
- Substrate temperature should be at least 3°C above dew point

DIRECTION OF USE Mixing instructions

- Mixing ratio by weight : base to hardener 88 : 11
- Mixing ratio by volume : base to hardener 82 : 18
- The temperature of the mixed base and hardener should be above 15°C otherwise extra solvent may be required to obtain application viscosity-too much solvent results in lower sag resistance and slower cure
- Thinner should be added after mixing the components

Induction time

- 20 minutes if applied at temperature below 10 °C none above 10°C

Pot life at 20°C

- 8 hours

AIRLESS SPRAY

Recommended thinner

- Medy Thinner 3000

Volume of thinner

- 10 – 15 %

Nozzle orifice

- 1.5 – 3mm

Nozzle pressure

- 0.3 – 0.4 MPa (= approx. 3 -4 at 43 – 57 p.s.i)

ADDITIONAL DATA FILM THICKNESS AND SPREADING RATE

- 8 m²/l for 75 µm DFT
- 6 m²/l for 100 µm DFT
- 4 m²/l for 150 µm DFT

Max. DFT without sagging with airless spary : 250 µm(overlaps only)

CURING TABLE

Temperature	-5°C	5°C	10°C	20° C	30°C
DRY TO HANDLE	36 hrs	10 hrs	4 hrs	3 hrs	2 hrs
MAX. INTERVAL	No limitation , provided the surface is cleaned from any contamination				

PACKAGING (Gross weight)

- 25 kg (with hardener)

SHELF LIFE

- 12 months sealed and stored in well ventilated area

SAFETY PRECAUTIONS

- Gloves, fresh air and mask recommended
- Combustible, keep away from heat and open flame
- Avoid prolonged contact with skin and breathing of vapor or spray mist
- Do not take internally
- Close container after each use
- Use in adequate ventilation

REMARKS

- This guideline is given based on the current knowledge of the product. any suggested deviation to suit the site's conditions should be forwarded to our responsible representative for approval before commencing the work.
- No warranty or guarantee implied is made regarding the performance of these coatings since the use and application is beyond our control