

**New Middle East**

**نيو ميدل ايست**

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**للتوريدات و تجارة البويات**

المصنع : مدينة العبور - طريق انشاص  
المنطقة الصناعية

موبايل : ٠١٠٣٤١٢١١٩

تليفون : ٠٥٥٢٦٤٢٥٣٠

**Medy Pox Med 3002**

**DESCRIPTION**

- Two component high build polyamide cured recoatable epoxy Primer

**PRINCIPAL CHARACTERISTICS**

- General purpose epoxy build coat in protective coating systems for steel and concrete structures in atmospheric exposure in land or marine conditions
- Can be recoated with two component and conventional paints after long weathering periods
- Is lead free and chromate containing pigments
- Tough with long term flexibility and excellent durability
- Will cure event at temperature down to 10°C
- 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.  $1.4 \pm 3\%$  gm/cm<sup>3</sup>
- approx. 63% by volume
- 75 – 150 µm depending on system
- 6.3 m<sup>2</sup>/l for 100 µm in ideal surface conditions

**THEORITICAL SPREADING RATE**

**DRYING PROPERTIES**  
(at 25°C 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 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 component

**Induction time**

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

**Pot life at 20°C**

- 8 hours

**AIRLESS SPRAY**

**Recommended thinner**

**Volume of thinner**

**Nozzle orifice**

**Nozzle pressure**

- Medy Thinner 3000
- 5 - 10% depending on required DFT
- Approx. 0.48 mm (=0.019 inch)
- 15 MPa ( = approx. 15 at 2100 p.s.i )

**ADDITIONAL DATA**  
**FILM THICKNESS AND**  
**SPREADING RATE**

- 8.4 m<sup>2</sup>/l for 75 µm DFT
- 6.3 m<sup>2</sup>/l for 100 µm DFT
- 4.2 m<sup>2</sup>/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 | 24-30 hrs | 18 hrs | 12 hrs | 6 hrs  | 4 hrs  |
| FULL CURE     | 14 days   | 8 days | 6 days | 4 days | 3 days |

## PACKAGING (Gross weight)

- 25 kg (with hardener)

## POT LIFE (at application viscosity)

| 10°C   | 20 °C | 30 °C | 35° C |
|--------|-------|-------|-------|
| 16 HRS | 8 HRS | 5 HRS | 4 HRS |

## 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