New Middle East
Supplies & Paint Trading
Factory : ElObour City.Anshas Road. Industrial Zone
Mobile : 01003412119
Tel : 0552642530
Email : new.middle.east100@gmail.com

نيو ميدل ايست
للتوريدات و تجارة البويات
المصنع : مدينة العبور – طريق انشاص المنطقة الصناعية
موبايل : ٠١٠٠٣٤١٢١١٩
تليفون : ٠٥٥٢٦٤٢٥٣٠

# Medy Pox Cover 3004

**DESCRIPTION**

- Two component high build polyamide cured recoatable epoxy cover coating

**PRINCIPAL CHARACTERISTICS**

- General purpose epoxy build coat or finish coating system 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
- Excellent durability
- 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 coating
- Good adhesion on aged epoxy coatings
- Easy application both by airless spray and brush
- Resistant to water and splash of mild chemicals

**BASIC DATA**

- 1g/cm³ = 8.25 lbs/US gal ; 1m²/l = 40.7 ft²/US gal

**Specific gravity**
- Approx. 1.4 gm/cm³

**Solid Content by Volume**
- approx. 65% (white) 62-65% (colours)

**VOC ( supplied )**
- max. 2.7 lbs / gallon – 325 g / litre

**Recommended film thickness**
- 75 – 150 µm depending on system

**THEORITICAL SPREADING RATE**
- 6.5 m²/l for 100 µm
-

| | |
|---|---|
| **DRYING PROPERTIES (at 25˚C and 60% 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 to 4 days<br>- Maximum UNLIMITED |
| **Flash Point (DIN 53213)** | - Base 26˚C , hardener 24 , 25˚C |
| **Recommended substrate conditions and temperatures** | - Previous coat : dry and free from contamination<br>- During application and curing a substrate temperature down to 10°C is acceptable. Provided the substrate is free from water or ice<br>- Substrate temperature should be at least 3°C above dew point |
| **DIRECTION OF USE**<br>**Mixing instructions** | - Mixing ratio by weight : base to hardener 87 : 12<br>- Mixing ratio by volume : base to hardener 82 : 18<br>- The temperature of the mixed base and hardener should be above 15°C otherwise extra solvent may be required to obtain application viscosity<br>- Too much solvent results in lower sag resistance and slower cure<br>- 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** | - 5 - 10% depending on required DFT |
| **Nozzle orifice** | - Approx. 0.48 mm (=0.019 inch) |
| **Nozzle pressure** | - 15 MPa ( = approx. 15 at 2100 p.s.i ) |
| **AIR SPRAY** | |
| **Recommended thinner** | - Medy Thinner 3000 |
| **Volume of thinner** | - 5 – 10 % |
| **Nozzle orifice** | - 1.5 – 3mm |
| **Nozzle pressure** | - 0.3 – 0.4 MPa ( = approx. 3 -4 at 43 – 57 p.s.i) |

**BRUSH/ROLLER**
**Recommended thinner** - Medy thinner 3000
**Volume of thinner** - 0 – 5 %

**ADDITIONAL DATA**
**film thickness and spreading rate**

8.7 m²/l for 75 µm DFT
6.5 m²/l for 100 µm DFT
4.3 m²/l for 150 µm DFT
Max. DFT without sagging with airless spary : 250 µm
Min. DFT for closed film with airless spray : 60 µm
Max. DFT when brushing : 75 µm

## CURING TABLE

| SUBSTRATE TEMPERATURE | -5°C | 5°C | 10°C | 20°C | 30°C | 40°C |
|---|---|---|---|---|---|---|
| MIN. INTERVAL | 36 hrs | 10 hrs | 4 hrs | 3 hrs | 2 hrs | 2 hrs |
| MAX. INTERVAL | No limitation , provided the surface is cleaned from any contamination | | | | | |

**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