

New Middle East

نيو ميديل ايست

Supplies & Paint Trading

Factory : ElOubour 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 : ٠١٠٠٣٤١٢١١٩

تليفون : ٠٥٥٢٦٤٢٥٣٠

Medy Guard P.U 4001

DESCRIPTION

- Two component aliphatic isocyanate cured acrylic finish

PRINCIPAL CHARACTERISTICS

- Recoatable polyurethane finish
- Excellent resistance to atmospheric exposure
- Excellent color and gloss retention
- Non-chalking and non-yellowing
- Can be recoated even after long atmospheric exposure
- Tough and abrasion resistant
- Good resistance to water
- Resistant to splash of mineral and vegetable oils, white spirit, paraffin and aliphatic petroleum products
- Resistant to splash of mild chemicals
- Can be applied by airless spray, roller and brush
- Cures at temperature down to -5°C
- Very good resistance to chemicals and water

COLOURS

- Grey

BASIC DATA

- (1g/cm³ = 8.25 lbs/US gal ; 1m²/l = 40.7 ft²/US gal)
- Data for mixed product at 20°C

Specific gravity

- Approx. 1.2 ±3% gm/cm³

Solid Content by Volume

- approx. 56% by volume

**VOC (supplied)
Recommended DFT**

- max 395 g / litre
- 25 – 20 µm depending on system

**THEORITICAL
SPREADING RATE**

- 11.2 m²/l for 50 µm , 9.3 m²/l for 60 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
Over Coating interval
Full cure**

- 1 hour
- Min. 12 hours
- 7 days

Flash Point (DIN 53213)

- Base 51°C , hardener 31°C

**Recommended substrate
conditions and
temperatures**

- Previous coat (epoxy or polyurethane) : dry and free from contamination and sufficiently roughened if necessary
- During application and curing a substrate temperature down to -5°C is acceptable. Provided the substrate is free from water or ice
- Substrate temperature should be at least 3°C above dew point

Maximum relative humidity during application and curing is 85

**DIRECTION OF USE
Mixing instructions**

- Mixing ratio by volume : base to hardener 78:22
- 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

- None

Pot life at 20°C

- 4 hours

AIRLESS SPRAY

Recommended thinner

Volume of thinner

Nozzle orifice

Nozzle pressure

- Medy Thinner 4000 (flash point 9.5°C)
- 5 - 10% depending on required DFT
- Approx. 0.33 mm (=0.013 inch)
- 15 MPa (= approx. 150 at 2100 p.s.i)

AIR SPRAY

Recommended thinner

Volume of thinner

Nozzle orifice

Nozzle pressure

- Medy Thinner 4000 (flash point 9.5°C)
- 10 – 12 %
- 1 – 1.5mm
- 0.3 – 0.4 MPa (= approx. 3 -4 at 40 – 60 p.s.i)

BRUSH/ROLLER

Recommended thinner

Volume of thinner

- Medy thinner 4000 (flash point 9.5°C)
- 0 – 5 %

PACKAGING
(gross)

- 30 kg / by demand

SHELF LIFE

- 12 months sealed and stored in well ventilated area

SAFETY
INFORMATION

- 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
- 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.

REMARK

- No warranty or guarantee implied is made regarding the performance of these coatings since the use and application is beyond our control