ROPOXY MIO PRIMER 635

Description

two component general purpose high build polyamide cured epoxy coating pigmented with micaceous iron oxide.

Principal Characteristics

- Developed as an epoxy mio-coat for steel and concrete structures in atmospheric exposure conditions.
- Easy to apply by spray, roller or brush.
- Suitable long pot life for tropical conditions.
- Good corrosion resistance.
- Resistant to splash and spillage of mild chemicals and solvents.
- Good adhesion properties on steel structures.
- Improved over coating properties due to mio pigmentation.

Technical data (for mixed product)

Color & gloss	Gray (metal) - eggshell
Flash point (DIN 53213)	Base 27 ºC hardener 28 °C.
Mass density	Approx. 1.4 gm / cm3
Solid content	Approx. 61 ± 2 by volume
Theoretical spreading rate	8.1 m2/ltr for 75 um .
Touch dry after	Approx. 3 hours
Recommended Dry film thickness	75 – 100 um
Over coating interval	Min. 10 hours . max. 3 months
	Max 3 months .
Full cure after	4 days

Shelf life(cool and dry place)	At least 12 months
Recommended substrate conditions	Concrete ; dry free from any contamination steel : blast cleaned to ISO – Sa 2.5 or power tool cleaned to SPSS – ST3

Instruction for use : by volume : base to hardener 80 : 20

- the temperature of the mixed base and hardener should be above 15º 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 only added after proper mixing of the base and hardener.

Pot life at 20 C : 8 hours

Recommended thinner : Roots thinner No. RO10455 (flash point 26 °C)

Airless spray

Volume of thinner : 0-5 % depending on required D.F.T.

Nozzle orifice : approx. 0.48 mm(= 0.019 inch)

Nozzle pressure : 05 MPa (= Approx. 150 at ; 2100 p.s.i)

Air spray

Volume of thinner : 5 -10 % depending on required D.F.T.

Nozzle orifice : 1.5 – 3 mm

Nozzle pressure : 0.3 – 0.4 MPa (= Approx. 3-4 at ; 43-57 p.s.i.

Brush / Roller

Volume of thinner : 0 - 5 %

Cleaning solvent : Roots thinner No. RO1003 (flash point 26 °C)

Additional data

Film thickness and spreading rate

m2/ltr	8.1	6.1
dft in um	75	100

Curing table

substrate temperature	Dry to handle	full cure handle
20 °C.	10 hours	4 days
30 °C	7 hours	3 days
40 °C	5 hours	2 days

Pot life 20 ºC. 8 hours