

PEACOPOXY RC MIO

Product Code: 6504

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PRODUCT DESCRIPTION

- High build two component micaceous iron oxide pigmented polyamide cured recoatable epoxy coating
- Used as epoxy build coat or finish in protective coating systems for steel and concrete structures exposed to atmospheric land or marine conditions
- Resistant to water and splash of mild chemicals
- Can be recoated with two component and conventional coatings even after long weathering periods
- Good adhesion on most aged, sound alkyd, chlorinated rubber and epoxy coatings
- Tough with long term flexibility
- A high relative humidity max. 95%, during application and curing does not influence the quality of the coating

PHYSICAL PROPERTIES

Colours and gloss	Grey, low metallic sheen
Mass density	approx. 1.5g/cm ³
Solids content (by volume)	approx. 75%
VOC	238g/litre
Recommended dry film thickness	75-150 µm
Theoretical spreading rate	10 m ² /l for 75µm 7.5 m ² /l for 100µm 5.0 m ² /l for 150µm
Touch dry (at 25°C)	2.5 hours (75µm)
Overcoating interval	min. 10 hours max. 3-6 months
Fully cured	3 days
Shelf life(cool and dry place)	at least 12 months
Flash point (Din 53213)	base 26°C, hardener 24.5°C

APPLICATION CONDITIONS AND TEMPERATURE

- Steel; blast cleaned to ISO-SA2½
- Previous coat; dry and free from any contamination
- During application and curing a substrate temperature down to 0°C is acceptable provided the substrate is free from water or ice
- Substrate temperature should be at least 3°C above dew point

APPLICATION INSTRUCTIONS

Mixing ratio

base to hardener 7.8 : 1 *by weight*

base to hardener 9 : 2 *by volume*

- The temperature of the mixture of 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

	AIR SPRAY	AIRLESS SPRAY
Recommended thinner	Thinner 066 (flash point 26°C)	Thinner 066 (flash point 26°C)
Volume of thinner	<15%	<10%
Nozzle orifice	1.5-3 mm	0.48 mm
Nozzle pressure	0.3-0.4 MPa (approx. 3-4 AT; 43-57 P.S.I.)	15MPa (approx. 150 AT; 2100 P.S.I.)

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BRUSH AND ROLLER

Recommended thinner	Thinner 066 (flash point 26°C)
Volume of thinner	<5%

CLEANING SOLVENT

Thinner 068 (flash point 30°C)

OVERCOATING TABLE

For two pack epoxy & polyurethane product

substrate temperature (°C)	5	10	15	20	30	40
minimum interval (hours)	36	20	12	10	8	6
maximum interval - not exposed to sunshine (months)	6	6	6	6	4	3
maximum interval - exposed to sunshine (months)	3	3	3	3	2	2

CURING TABLE

substrate temperature	dry to handle	full cure
0°C	50 hours	9 days
5°C	40 hours	7 days
10°C	32 hours	5 days
15°C	28 hours	4 days
20°C	24 hours	3 days
30°C	20 hours	2 days
40°C	15 hours	1 days

	POT LIFE(AT APPLICATION VISCOSITY)		INDUCTION TIME
10°C	12	hours	20 mins.
20°C	6	hours	-
25°C	4	hours	-
30°C	3	hours	-