O'Grady's PAINT

product data sheet

CORPRO 120

PRODUCT DESCRIPTION

A twin pack high build poly-amide cured epoxy coating designed for low temperature curing.

PRODUCT FEATURES

* Low temperature curing
* High build with single application
* Self priming
* Excellent adhesion to most substrates
* Excellent abrasion & impact resistance
* Excellent corrosion resistance. Not designed for immersed conditions.

TECHNICAL INFORMATION

Colour:	Red oxide. Other colours on request
Appearance:	Sheen finish
Generic type:	Epoxy/poly-amide cured
Volume solids:	65 – 70%
Viscosity:	82 Ku
Spreading rate:	±4.5m²/litre
Recommended DFT\coat:	100 microns
Mix ratio:	4 parts Base component, 1 part curing agent
Solvent:	Hydrocarbon true solvent blend
Temperature resistance:	110ºC dry
Packaging:	5 litre twin component: 4 litre base, 1 litre curing agent in separate containers

CHEMICAL RESISTANCE GUIDE

Chemicals	*Splash/Spillage*	*Fumes*
Acids	Fair	Good
Alkali's	Excellent	Excellent
Solvents	Good	Good
Salt	Excellent	Excellent
Water	Excellent	Excellent

SURFACE PREPARATION

Steel surfaces must be clean & dry. Remove all oil, grease & any other contaminants, with water based degreaser, followed by a fresh water wash. Remove rust & mill scale, preferably by abrasive blast cleaning to Grade SA 2.5 of International Standard ISO 8501 1:1988 with a blast profile of 30 – 50 micron. Mechanical cleaning to Grade Standard 3 of above International Standard can be performed in those areas where blast cleaning is not possible. This, however, can result in a shorter maintenance free life.
Masonry substrates are to be allowed to cure for at least 21 days at 25ºC & 60% humidity. Abrasive blast or chemically remove the Latinate prior to coating. For best results, only coat masonry surfaces with less than 6% moisture content.

APPLICATION

Mix base component thoroughly before adding the curing agent. After adding base & curing agent together, power mix until homogenous.

Airless spray:	10 – 15 % dilution recommended. Use Epoxy Thinners only	
	Nozzle pressure:	160 – 240 bar
	Nozzle orifice:	0.017 – 0.019"
	Filter size:	60 mesh
Conventional spray:	20 – 25 % dilution recommended. Use Epoxy Thinners only.	
	Air pressure:	4 – 6 bar
	Nozzle orifice:	1.5 – 2mm
Brush and Roller:	Suitable as supplied	
Clean up:	Use Epoxy Thinners only	

COMPATITBLE COATINGS

Can be over coated with Epoxies, Urethanes, Enamels & Acrylics. Previously painted surfaces with Epoxies or Urethanes, can be directly top coated. It is always recommended to degrease & wash the surfaces to be coated & abrade prior to top coating. Unknown Coatings are to be tested prior to coating.

ENVIRONMENT

It is recommended that application be confined to the following:

Surface temperature:	Min. 5°C	Max. 40°C
Ambient temperature:	Min. 5°C	Max. 40°C
Relative humidity:	Min.0%	Max.85%

Or at least 3°C above Dew point
Note: When working at temperatures below 10ºC, the touch dry condition is reached, however, the full cure will be extended.

DRYING & OVER COATING TIMES

Drying time is dependent on 3 factors: Temperature, film thickness & ventilation.. Figures given refer to film thickness of 150 microns at 25ºC..

Temp	*Touch dry*	*Hard dry*	*Overcoat*
5ºC	24 hours	72 hours	48 hours
10ºC	18 hours	48 hours	24 hours
15ºC	12 hours	24 hours	18 hours
20ºC	6 hours	18 hours	12 hours
25ºC	3 hours	12 hours	8 hours
30ºC	1 hour	8 hours	4 hours

All of the above are given as guidelines only & can not be assumed to be absolute, as variances will result from difference in film thickness, environment & surface temperatures.

POT LIFE

The greater the mass & higher the temperature, the greater the exotherm, the shorter the pot life. Figures given are related to a 5 litre of mixed base & curing agent. Full cure is achieved in 7 days at 25ºC.

STORAGE AND HANDLING

Store away from direct sunlight, open flames & severe cold.
Shelf life : 2 years in original sealed containers.
Flash point: 15ºC for both base & curing agent.

LIMITATIONS

Epoxies exhibit poor U.V. resistance & will chalk (fade, loss of gloss) when painted outside. It also contains strong solvents. Always test compatibility when over coating previously painted surfaces.

SAFETY PRECAUTIONS

Work with PVC gloves & safety glasses when using epoxies. When spraying epoxies, always wear a respirator. This product contains flammable materials keep away from sparks, open flames & no smoking should be permitted in the area.

KEEPOUTOFREACHOFCHILDREN.

For more information contact our Factories:
Western Cape: Tel/Fax: (021) 853-8105 **Mpumalanga:** Tel: (013) 246-2570 Fax: (013) 246-2573