O'Grady's PAINT

product data sheet

CORPRO 900

PRODUCT DESCRIPTION
A poly-amide cured, solventless epoxy grout.

PRODUCT FEATURES
Corpro 900 displays exceptional chemical resistance & hard, yet flexible, durable surface finish. Corpro 900 also exhibits excellent adhesion to most substrates, With exceptional anti-corrosion properties.

TECHNICAL INFORMATION

Colour:	Grey & Cream
Appearance:	Hard, matt finish
Generic type:	Epoxy poly-amide cured
Volume solids:	100%
Viscosity:	Thixotropic paste
S.G:	1.25
Spreading rate:	1m² per kg
Recommended DFT\coat:	3 - 5 mm
Mix ratio:	1 part Base component, 1 part Curing agent
Solvent:	None
Packaging:	1 kg twin component: 500 g Base & 500 g Curing agent in separate containers

SURFACE PREPARATION
Steel:
Ensure substrate is degreased prior to abrasive blast cleaning to Grade SA 2.5 of International Standard ISO 8501-1:1988, with a blast profile of 30 – 50 microns. Corpro 900 must be applied before oxidation of steel occurs. If oxidation does occur, the entire surface is to be re-blasted to the above specifications.
Concrete & Masonry surfaces::
Allow the concrete of new floors to cure for at least 21 days at 25ºC. To prepare for adhesion, acid etch the floor, rinse thoroughly with clean water & allow to dry for a minimum of 48 hours at 25ºC. (The moisture content should be below 14%).
Other substrates:
Ensure the substrate is clean, dry & free of grease, oil, dirt & loose materials.

APPLICATION
Mix Base component thoroughly before adding the Curing agent. After adding the Base & Curing agent together, mix well with a power mixer until homogenous.
Suitable end-uses:

Workshop floors	Column base protection
Crevice & gap filling	Showers & change house walls & floors
Structural steel work	Tank linings
Chemical drains	Abattoirs & cold rooms

Repair of swimming pools & ponds
Ideally suited to environments where VOC & toxicity would present a problem, e.g. cold rooms, confined areas where no ventilation is possible. Under no circumstances must Corpro 900 be diluted with thinners.

Airless spray:	Not recommended.
Conventional spray:	Not recommended.
Brush & Roller:	Not recommended.
Putty knife & gloved hand:	Only recommended method.
Clean up:	Use Epoxy Thinners only.

TYPICAL CURED RESULTS

Compression yield strength:	81 – 91 Map
Tensile strength:	64 – 79 Mpa
Flexural strength:	96 – 106 Mpa

TYPICAL CHEMICAL RESISTANCE

Brake fluid	Unaffected after 30 days
Diesel fuel	Unaffected after 30 days
Linseed oil	Unaffected after 30 days
Cold water	Unaffected after 30 days
Boiling water	Unaffected after 30 days
Aromatic hydrocarbons	Unaffected after 30 days
Aliphatic hydrocarbons	Unaffected after 30 days
34% Sulphuric acid	Unaffected after 30 days
10% Sugar solution	Unaffected after 30 days
1% Phenol solution	Unaffected after 30 days
Methylated spirits	Unaffected after 30 days
Methyl-ethyl ketone	Slight attack after 72 hours
5% Acetic acid	Slight attack after 14 days

ENVIRONMENT
It is recommended that application be confined to the following:

Surface temperature:	Min.10°C	Max. 40°C
Ambient temperature:	Min.10°C	Max. 40°C
Relative humidity:	Min.0%	Max. 90%
Or:		At least 2ºC above dew point

DRYING TIMES
Drying times are dependent on 2 factors: Temperature & film thickness. Figures given refer to film thickness of 5mm.

Surface Temperature	*Touch dry*	*Hard dry*
10ºC	48 hours	4 days
15ºC	24 hours	2 days
20ºC	12 hours	24 hours
25ºC	6 hours	12 hours
30ºC	4 hours	10 hours

OVER COATING INTERVALS
Due to hardness of finish, together with chemical resistance, over coating Corpro 900, can be difficult & it is advised to abrade the surface & solvent wipe at all times, prior to application of second coat when necessary.

Surface Temperature	*Minimum*	*Maximum*
10ºC	48 hours	4 days
15ºC	24 hours	2 days
20ºC	12 hours	1 day
25ºC	6 hours	18 hours
30ºC	4 hours	12 hours

Full cure: 7 days at 25ºC
Sustained temperature below 15ºC will extend full cure to 21 days.
All the above are given as guidelines only & can not be assumed to be absolute, as variances will result from differences in film thickness, environment & surface temperatures.

POT LIFE
The greater the mass & higher the temperature, the greater the exotherm & shorter the pot life. Figures given are related to 1kg of mixed Base & Curing agent

10ºC	18 hours
15ºC	12 hours
20ºC	6 hours
25ºC	2 hours
30ºC	Less than1 hour

STORAGE AND HANDLING
Store away from direct sunlight, open flames & severe cold.
Shelf life: 2 years in original sealed containers.
Flash point: Above 250ºC

LIMITATIONS
Corpro 900 chalks in direct sunlight & it is therefore recommended to over coat with Corpro 800 for outdoor applications. Under no circumstances must Corpro 900 be diluted with Thinners.

SAFETY PRECAUTIONS
Work with PVC gloves & safety glasses when using Corpro 900.

For more information contact our Factories:
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