



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:	1m ² 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 25°C. To prepare for adhesion, acid etch the floor, rinse thoroughly with clean water & allow to dry for a minimum of 48 hours at 25°C. (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 Mpa
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
Methylated spirits
Methyl-ethyl ketone
5% Acetic acid

Unaffected after 30 days
Unaffected after 30 days
Slight attack after 72 hours
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 2°C 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
10°C	48 hours	4 days
15°C	24 hours	2 days
20°C	12 hours	24 hours
25°C	6 hours	12 hours
30°C	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
10°C	48 hours	4 days
15°C	24 hours	2 days
20°C	12 hours	1 day
25°C	6 hours	18 hours
30°C	4 hours	12 hours

Full cure: 7 days at 25°C

Sustained temperature below 15°C 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

10°C	18 hours
15°C	12 hours
20°C	6 hours
25°C	2 hours
30°C	Less than 1 hour

STORAGE AND HANDLING

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

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.

Information Provided is based on Laboratory evaluations and data believed to be reliable.
Recommendations are given in good faith but without warranty. It is the user's responsibility to determine the suitability for their own use.
It is not to be considered a guarantee of the products properties.

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