



# CORPRO 300

## PRODUCT DESCRIPTION

A Cyclo-aliphatic amine cured, solventless epoxy coating,

## PRODUCT FEATURES

Corpro 300 displays excellent gloss, exceptional chemical resistance & hard durable surface finish. Corpro 300 is a self priming coating, which also exhibits excellent adhesion to most substrates & exceptional anti-corrosion properties. Corpro 300 can be applied over organic & inorganic zinc primer.

## TECHNICAL INFORMATION

Colour: Black, white & other colours on request  
 Appearance: Hard gloss finish  
 Generic type: Epoxy/cyclo-aliphatic cured  
 Volume solids: 100%  
 Viscosity: 108 - 110Ku at 25°C  
 Spreading rate: ±3m<sup>2</sup>/litre  
 Recommended DFT/coat: 200 microns  
 Mix ratio: 5 parts Base component, 1 part curing agent  
 Solvent: None  
 Packaging: 6 litre twin component: 5 litre base, 1 kilogram curing agent

## CHEMICAL RESISTANCE GUIDE

Correctly cured films of Corpro 300 have the following resistance potential:  
 Resistant to:

25% ammonia water	cod liver
Petrol	linseed oil
Beer	milk
N-butyl ether	-50% caustic solutions
Cyclo-hexane	olive oil
Diesel oil	10% oxalic acid
< 5% acetic acid	perchloro-ethylene
< 15% ethanol	paraffin
Ethylene glycol	-80% phosphoric acid
Vegetable juice	castor oil
Glycerol	-10% nitric acid
<20 hydro-chloric acid	30% brine
Lard	-50% sulphuric acids
Soap solution	silicone oil
White spirits	carbon tetra-chloride
Water	wine
Xylene	

## SURFACE PREPARATION

### Steel:

Ensure substrates 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 300 must be applied before oxidation of steel occurs. If oxidation does occur, the entire surface is to be re-blasted to the above specification.

### Concrete & Masonry surfaces:

Do not apply Corpro 300 on floors.

### Other substrates:

Ensure the substrates are clean, dry & free of oil, grease, dirt & loose materials.

## APPLICATION

Suitable end-uses: Showers & change house walls  
 Structural steel work in chemical processing  
 Steel work subjected to acid, alkali & salt atmospheres, in the form of splash, spillage & fume  
 Tank linings  
 Chemical drains  
 Abattoirs & cold rooms

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 300 be diluted with Thinners.

Airless spray: Can be utilized, however, not recommended  
 Conventional spray: Not recommended  
 Brush and Roller: Suitable as supplied. Use mohair roller  
 Clean up: Use Epoxy Thinners only

## 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 time is dependent on 2 factors: Temperature & film thickness. Figures given refer to film thickness of 200 microns.

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

Full cure at 25°C: 7 days

Sustained temperature below 15°C will extend full cure to 21 days. If required during winter conditions, an accelerator can be added to speed up the reaction, but this will reduce the pot life dramatically.

## OVER COATING INTERVALS

Due to high gloss & hardness of finish, together with chemical resistance, over coating Corpro 300 can be difficult & it is advised at all times to abrade the surface & solvent wipe 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

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, the shorter the pot life. Figures given are related to a 1 kg 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 300 chalks in direct sunlight & it is therefore recommended to over coat with Corpro 800 for outdoor applications. Under no circumstances must Corpro 300 be diluted with Thinners.

## SAFETY PRECAUTIONS

Work with PVC gloves & safety glasses.

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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