



CORPRO 2000

PRODUCT DESCRIPTION

A water based epoxy enamel.

PRODUCT FEATURES

- Corpro 2000 displays:
- *Exceptional adhesion to most clean, sound, new & previously painted surfaces.
- *Good chemical resistance.
- *Hard wearing.
- *Extremely low VOC's.
- *Ideal for applications where low odour is important, e.g.
 - Abattoirs & Butcheries
 - Theaters & Hospital wards

TECHNICAL INFORMATION

Colour:	White & other colours on request
Appearance:	Smooth gloss finish (available in satin on request)
Generic type:	Epoxy /Poly-amide cured
Viscosity:	125 Ku
Spreading rate:	±3m ² per litre
Solvent:	Water
Volume solids:	50%
Recommended thickness:	100 microns
Mix ratio:	2.5 parts Base, 1 part Curing agent
Packaging:	5 litre twin pack – 3.6 litre Base & 1.4 litre Curing agent

SURFACE PREPARATION

Steel:
Ensure substrate is degreased prior to abrasive blast cleaning to Grade SA 2.5 of the International Standard ISO 8501-1:1988, with a blast profile of 30 – 50 microns. A holding primer must be applied before oxidation occurs (Etch primer, OG4, Primer 2000 are all suitable). 2 Coats of Corpro 2000 are recommended at 75 microns per coat observe over coating times to avoid Solvent entrapment.

Concrete & Masonry substrates:
New concrete must be allowed to cure for at least 21 days at 25°C, prior to preparation & painting.

Floors:
Ideally flash abrasive blast. Where this is not possible, chemically Etch the surface & rinse thoroughly with fresh water. Allow to dry for 2 days at 25°C. Once dry, apply 2 coats Corpro 2000, observing over coating times.

Wall & Masonry substrates:
Remove all loose material & contaminants. Then apply 2 coats Corpro 2000. Corpro 2000 is suitable for use as a tie coat between new & old concrete. If required for this application, please refer to our Technical Department for further information.

APPLICATION

Mix Base component & Curing agent separately. Add the Curing Agent to the base & mix under high shear for 5 minutes. Water is to be added during the high shear mixing.

Dilution recommendations:

Airless spray:	20%
Conventional spray:	45%
Brush & roller:	45%
Clean up:	Clean up with water while the product is still wet. Once the pot life has expired, clean up with Lacquer or Epoxy Thinners.

ENVIRONMENT

It is recommended that application be confined to the following:

Surface temperature: Min. 15°C Max. 40°C
 Ambient temperature: Min. 15°C Max. 40°C
 Relative humidity: Min. 0% Max. 90%
 Or at least 2°C above Dew point

POT LIFE

Figures given are for 1 litre mixed Base & Curing agent.

10°C	36 hours
15°C	24 hours
20°C	10 hours
25°C	6 hours
30°C	3 hours

The greater the mass & the higher the temperature, the greater the exotherm & shorter the pot life.

DRYING TIME

Drying time is dependent on 2 factors: Temperature & film thickness. The following information is based on a wet film thickness of 150 microns & a temperature of 23°C.

Touch dry: 6 hours
 Hard dry: 12 hours
 Full cure: 7 days
 Corpro 2000 does not cure below 15°C.

OVERCOATING TIMES

Surface temperature	Minimum	Maximum
15°C	24 hours	7 days
20°C	18 hours	3 days
25°C	12 hours	2 days
30°C	9 hours	24 hours

Once a full cure is reached, it is necessary to lightly sand & solvent wipe the surface to achieve good inter-coat adhesion. All the above information is given as guidelines & can not be assumed to be absolute, as variances will result from differences in film thickness, environment & surface temperature.

STORAGE AND HANDLING

Store away from direct sunlight, open flames & severe cold.
 Shelf life: 1 year in original sealed containers.
 Flash point: +45°C

LIMITATIONS

Corpro 2000 is not suitable for exterior applications, as it will chalk in direct sunlight.

SAFETY PRECAUTIONS

Work with PVC gloves & safety glasses when using Corpro 2000. Wear a respirator when spraying. No smoking should be permitted when painting.

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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