



## CORPRO 400

### PRODUCT DESCRIPTION

A poly-amide cured, solvent based epoxy tar coating.

### PRODUCT FEATURES

Corpro 400 displays excellent salt water resistance, physical strength & flexibility. Corpro 400 also exhibits excellent adhesion to most substrates & has exceptional anti-corrosion properties.

### TECHNICAL INFORMATION

Colour:	Black & Brown
Appearance:	Hard sheen finish
Generic type:	Epoxy/poly-amide cured
Volume solids:	±75%
Viscosity:	102 - 104Ku at 25°C
Spreading rate:	±4m <sup>2</sup> per litre or depending on blast profile
Recommended DFT/coat:	100 microns
Recommended total DFT:	250 – 300 microns
Mix ratio:	4 parts Base component, 1 part Curing agent
Solvent:	Hydrocarbon blend
Packaging:	5 litre twin component: 4 litre base, 1 litre 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 400 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:

Allow the concrete of new floors to cure for at least 21 days at 25°C. To prepare for paint adhesion, acid etch the floor & rinse thoroughly with clean water. Allow to dry for a minimum of 48 hours at 25°C. (Moisture content of concrete must not exceed 6%).

#### Other substrates:

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

### APPLICATION

Mix Base component thoroughly before adding Curing agent. After adding Base & Curing agent together, mix well with power mixer until homogenous.

Suitable end-uses:	Structural steel work Tank linings
Airless spray:	10 – 15% dilution recommended. Use Epoxy Thinners only Nozzle pressure: 210 – 250 bar Nozzle orifice: .0015" -0.017"
Conventional spray:	20 – 25% dilution recommended. Use Epoxy Thinners only. Air pressure: 4 – 6 bar Nozzle orifice: 1.5 – 2mm

Brush & Roller: Suitable as supplied  
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 3°C above dew point

### DRYING TIMES

Drying time is dependent on 2 factors: Temperature & film thickness. Figures given refer to film thickness of 100 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.

### OVER COATING INTERVALS

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 5 litre 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: 12°C

### LIMITATIONS

Corpro 400 chalks in direct sunlight & it is therefore recommended to over coat with Corpro 800 for outdoor applications.

### SAFETY PRECAUTIONS

Work with PVC gloves & safety glasses. When spraying with Corpro 400, always wear a respirator. This product contains flammable materials. Keep away from sparks, open flames & no smoking should be permitted in the area.

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.

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