



CORPRO 200

PRODUCT DESCRIPTION

A multi-purpose twin pack high build poly-amide cured epoxy coating, which exhibits excellent adhesion to almost all substrates. It also exhibits excellent abrasion & impact resistance. A high film build can be attained with a single application, providing excellent corrosion protection under severe conditions.

PRODUCT FEATURES

Corpro 200 is intended for use as a primer, intermediate, stripe & top coat. Its high build & high performance is ideal for protection of steel in aggressive environments. Corpro 200 as a floor coating provides an extremely hard traffic resistant coating.

TECHNICAL INFORMATION

Colour: Most SABS 1091 colours
 Appearance: Gloss finish
 Generic type: Epoxy/poly-amide cured
 Volume solids: 75% ± 3%
 Viscosity: 102 - 104 Ku
 Spreading rate: ±3.8m²/litre or depending on blast profile
 Recommended DFT/coat: 100 – 150 microns
 Total paint film should not exceed: 250µm, but not greater than 300µm
 Solvent: Hydrocarbon true solvent blend
 Temperature resistance: 120°C dry
 Mix ratio: 4 parts Base to 1 part Curing agent
 Packaging: 5 litre twin component: 4 litre base, 1 litre curing agent in separate containers

SURFACE PREPARATION

All surfaces must be clean & dry. Remove all oil, grease & any other Contaminants with water based degreaser, followed by a fresh water wash. Remove rust & millscale, preferably by abrasive blast cleaning to Grade SA 2 – 2.5 of International Standard ISO 8501 1:1988 with a blast profile of 30 – 50µm. Mechanical cleaning to Grade Standard 3 of International Standard ISO 8501 1:1988 can be performed in those areas where blast cleaning is not possible. This, however, can result in a shorter maintenance fee life.
Concrete & Masonry surfaces:
 Allow the concrete of new floors to cure for at least 21 days at 25°C, before preparing to paint. Concrete floors should be abrasive blasted to remove all Loose particles. Omega's & holes are to be repaired using Corpro 900. Where abrasive blast cleaning is not possible, Acid Etch the floor (undiluted), follow by through fresh water rinse. The floor must then be allowed to dry out for at least 48 hours at 25°C. For best result, moisture content in the concrete should not exceed 6%. The first coat of Corpro 200 should be diluted with Epoxy Thinners (40 – 50 %), applied evenly to the surface & allow to dry ± 12 hours at 25°C. Finally, apply the top coat, diluted 20 – 25% with Epoxy Thinners. Allow at least 24 hours at 25°C before putting into service. (The longer the coating is given to cure before putting into service, the better the performance).

APPLICATION

Mix base component thoroughly before adding the curing agent. After adding base & curing agent together, mix well until homogenous.

Airless spray: 15 – 20 % dilution recommended. Use epoxy thinners only
 Nozzle pressure: 210 - 250 bar
 Nozzle orifice: 0.013 - 0.017"

Conventional spray: 20 – 25 % dilution recommended. Use Epoxy Thinners only.
 Air pressure: 4 – 6 bar
 Nozzle orifice: 1.5 – 2mm

Brush and Roller: Suitable as supplied

Clean up: Use Epoxy Thinners only

ENVIRONMENT

It is recommended that application be confined to the following:

Surface temperature: Min. 5°C Max. 40°C
 Ambient temperature: Min. 5°C Max. 40°C
 Relative humidity: Min.0% Max.85%
 Or: At least 3°C above Dew point

Note: When working at temperatures below 10°C, the touch dry condition is reached, however, the full cure will be extended.

DRYING TIMES

Drying time is dependent on 2 factors: Temperature & film thickness..

Figures given refer to film thickness of 100 microns.

Temperature	Touch dry	Hard dry
5°C	24 hours	48 hours
15°C	8 hours	24 hours
25°C	1 hour	6 hours
35°C	30 minutes	2 hours

OVER COATING INTERVALS

Surface Temperature	Minimum	Maximum
5°C	48 hours	Indefinite
15°C	16 hours	Indefinite
25°C	12 hours	Indefinite
35°C	8 hours	Indefinite

All of the above are given as guidelines only & can not be assumed to be absolute, as variances will result from difference 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 5 litre of mixed base & curing agent.

10°C 12 hours
 15°C 8 hours
 25°C 4 hours
 35°C 1 hour

STORAGE AND HANDLING

Store away from direct sunlight, open flames & severe cold.
 Shelf life : 2 years in original sealed containers.
 Flash point: 15°C for both base & curing agent.

LIMITATIONS

Epoxies exhibit poor U.V. resistance & will chalk (fade, loss of gloss) when painted outside. It also contains strong solvents. Always test compatibility when over coating previously painted surfaces.

SAFETY PRECAUTIONS

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

KEEPOUTOFREACHOFCHILDREN.

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