



CORPRO 600

PRODUCT DESCRIPTION

A twin pack high build poly-amide epoxy coating, containing aluminium flake 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 600 is intended for use as a high build, high performance primer & intermediate coating for the protection of steel in aggressive environments. Suitable top coats: Corpro 200 for indoor applications Corpro 800 PU for exterior applications

TECHNICAL INFORMATION

Colour: Dark Aluminium
Appearance: Sheen finish
Generic type: Epoxy/poly-amide cured
Volume solids: ±85%
Viscosity: 102 - 104Ku at 25°C
Spreading rate: ±3.5m² per litre
Recommended DFT: 100 - 150 microns
Recommended total dry film: 250 microns minimum
Mix ratio: 4 parts Base component, 1 part Curing agent
Solvent: Hydrocarbon true solvent blend
Temperature resistance: 120°C (dry)
Packaging: 5 litre twin component: 4 litre Base, 1 litre Curing agent in separate containers

SURFACE PREPARATION

All surfaces are to be clean & dry. Remove all oil, grease & other contaminants with water based degreaser, followed by a fresh water wash. Remove rust & mill scale preferably by abrasive blast cleaning to Grade SA 2.5 of International Standard ISO 8501-1:1988, with a blast profile of 30 - 50 microns. Corpro 600 must be applied before oxidation of steel occurs. If oxidation does occur, the entire surface is to be re-blasted to the above specifications. Mechanical cleaning to Grade Standard 3 of the International Standard ISO 8501-1:1988 can be done in those areas where blast cleaning is not possible. This, however, can result in a shorter maintenance free life.

APPLICATION

Mix both components separately until thoroughly mixed. Add Curing agent to the Base & stir with power mixer until homogenous.

Airless spray: Recommended. For best results, dilute 10% with Epoxy Thinners. Nozzle pressure: 210 - 250 bar Nozzle orifice: 0.015" -0.017"
Conventional spray: Requires at least 20% dilution with Epoxy Thinners. Air pressure: 4 - 6 bar Nozzle orifice: 1.5 - 2mm
Brush: Suitable as supplied, for touch up & stripe coating
Roller: Dilution of 20 - 25% with Epoxy Thinners is required. Mohair rollers are recommended.
Clean up: Use Epoxy Thinners only for dilution. For clean up, use good quality Lacquer Thinners.

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

DRYING TIMES

Table with 3 columns: Surface Temperature, Touch dry, Hard dry. Rows for temperatures 5°C to 35°C.

OVER COATING INTERVALS

Table with 3 columns: Surface Temperature, Minimum, Maximum. Rows for temperatures 5°C to 35°C.

Full cure: 7 days at 25°C

Corpro 600 will not obtain full cure unless exposed to sustained temperatures in excess of 10°C.

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

Figures given are related to 5 litre of mixed Base & Curing agent.

Table with 2 columns: Temperature, Pot Life. Rows for temperatures 5°C to 35°C.

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, loose gloss) when painted outside. Epoxies contain strong solvents. Always test compatibility when over coating previously painted surfaces.

SAFETY PRECAUTIONS

Work with PVC gloves & safety glasses. When spraying epoxies, always wear a respirator. This product contains flammable material. 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