



CORPRO 100

PRODUCT DESCRIPTION

A zinc rich 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 100 is intended for use as a primer coat. Its high-build high performance is ideal for protection of steel in aggressive environments. Ideal for patch priming damaged inorganic zinc coatings & galvanized steel.

TECHNICAL INFORMATION

Colour: Grey
 Appearance: Matt finish
 Generic type: Epoxy/poly-amide cured
 Viscosity: 12 – 14 seconds (Ford cup no.4)
 Spreading rate: ±3.8m²/litre
 Recommended DFT/coat: 50 – 75 µm
 Solvent: Hydrocarbon true solvent blend
 Mix ratio: 27 parts Base to 1 part Curing agent

Binder to zinc ratio: 5:95
 Temperature resistance: 100°C
 Packaging: 5 litre twin component: 4.8 litre base, 0.2 litre curing agent in separate containers

SURFACE PREPARATION

All surfaces are to 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 2.5 of International Standard ISO 8501-1:1988 with a blast profile of 30 – 50µm. Corpro 100 must be applied before oxidation of the steel occurs. If oxidation does occur, the entire area is to be re-blasted to the above specification. Mechanical cleaning to Grade St 3 of 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 base component thoroughly (it is not uncommon for the Zinc to settle during storage), before adding the curing agent. After adding base & curing agent together, mix well with power mixer until homogenous.

Airless spray: No dilution recommended. Ensure continuous stirring while spraying. Use only epoxy thinners.

Conventional spray: Not recommended, unless used with continuous stirring pressure pot. Dilution is not recommended
 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
 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 24 hours
 15°C 12 hours
 25°C 8 hours
 35°C 6 hours

DRYING TIME

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

Substrate Temp	Touch Dry	Hard Dry
5°C	1 hour	48 hours
15°C	30 minutes	24 hours
25°C	15 minutes	8 hours
35°C	10 minutes	6 hours

Full cure at 25°C: 7 days

Corpro 100 will not obtain full cure, unless exposed to sustained temperatures in excess of 10°C.

OVERCOATING TIMES

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

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, matt) 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.

KEEP OUT OF REACH OF CHILDREN.

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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