



CORPRO 800 P.U.

PRODUCT DESCRIPTION

A twin pack, high performance hydroxy functional acrylic co-polymer cured with a cyclo-aliphatic di-isocyanate adduct, which exhibits excellent protection against environmental damage caused by weathering (U.V. heat & thermal shock) & industrial chemical attack. Corpro 800 P.U. has excellent adhesion to almost all substrates. The product also exhibits a high gloss finish, which is resistant to staining, scratching & is easy to maintain.

SUGGESTED END-USES

Intended for use a final coat on steel, fiberglass, wood & concrete.

TECHNICAL INFORMATION

Colour: White. Other colours on request, including clear

Appearance: Gloss finish

Generic type: Acrylic poly-urethane

Volume solids: 55%

Viscosity: 125 seconds (Ford cup no 4) at 25°C

S.G: 1.25

Spreading rate: 6m² per litre

Recommended DFT\coat: 50 - 70 microns

Mix ratio: 4 parts Base component, 1 part Curing agent

Solvent: Hydrocarbon true solvent blend

Temperature resistance: -15°C - 200°C (dry)

Packaging: 5 litre twin component: 4 litre Base, 1 litre Curing agent in separate containers

SURFACE PREPARATION

All surfaces to be over coated are to be clean, dry & free from contaminations. This can normally be achieved by scrubbing with a stiff bristle brush to remove accumulated dirt, followed by application of water based degreaser & a final fresh water wash.

New Steel:

Corpro 800 P.U. should always be applied over a suitably primed & / or intermediate coat adhering to over coating times as specified. (Suitable primers are Corpro OG4, Corpro 200, Corpro 500, Corpro 600 & Corpro 700).

Maintenance:

Corroded areas to be prepared in accordance with specification. Non re-coatable epoxies & poly-urethanes are to be flash blasted prior to coating with Corpro 800 P.U. Re-coatable epoxies & poly-urethanes require clean, dry & contamination free surfaces.

APPLICATION

Thoroughly mix Base component, then add Curing agent to the Base & stir with power mixer until homogenous.

Airless spray: Use as supplied
 Nozzle pressure: 210 - 250 bar
 Nozzle orifice: 0.015" – 0.017"

Conventional spray: Requires 20% dilution with Poly-urethane Thinners
 Air pressure: 4 – 6 bar

Nozzle orifice: 1.5 – 2mm

When spraying Corpro 800 P.U. it is essential that it be done in a well ventilated area & that an air feed hood be worn.

Brush & Roller: Suitable as supplied.

Please note: Due to the nature of Corpro 800 P.U., blemish free finishes are hard to achieve with brush & roller.

ENVIRONMENT

It is recommended that application be confined to the following:
 Surface temperature: Min.5°C Max. 35°C
 Ambient temperature: Min.5°C Max. 35°C
 Relative humidity: Min.0% Max. 70%
 Or at least 3°C above dew point

DRYING TIMES

Surface Temperature	Touch dry	Hard dry
5°C	5 hours	12 hours
15°C	3 hours	8 hours
25°C	1 hour	3 hours
35°C	30 minutes	1 hour

OVER COATING INTERVALS

Surface Temperature	Minimum	Maximum
5°C	16 hours	Indefinite
15°C	10 hours	Indefinite
25°C	6 hours	Indefinite
35°C	4 hours	Indefinite

Full cure: 7 days at 25°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

5°C 12 hours
 15°C 6 hours
 25°C 3 hours
 35°C 1 hour

STORAGE AND HANDLING

Store away from direct sunlight & severe cold.
 Shelf life: 1 year in original sealed containers.
 Flash point: 11°C for both Base & Curing agent

LIMITATIONS

Corpro 800 contains iso-cyanates & should be handled with care. Gloves, eye protection & air fed mask are required when spraying. Ensure equipment is thoroughly cleaned prior to using Corpro 800 P.U., as small traces of epoxy Curing agent will reduce pot life.

SAFETY PRECAUTIONS

This product contains flammable solvents. Keep away from sparks, open flames & ensure that no smoking is 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