

ProTXcoat 805

UV Stable polyurethane top coat

805 is a high performance solvent based polymeric finish system specifically developed for the long term cosmetic protection of all types of structures such as concrete, brickwork, plaster, GRP, steel, aluminium or galvanised steel.

805 is based on a unique blend of acrylic and urethane polymers reinforced with colour stable, chemical resistant pigments to produce a system which offers outstanding weather, abrasion, chemical and graffiti resistance, together with optimum gloss and colour stability.

805 is totally unaffected by extreme levels of ultra violet light and offers outstanding protection to internal and external surfaces.

SURFACE PREPARATION

Aluminium and galvanised steel surfaces should be primed with **ProTXcoat 301**.

Concrete, brick and other masonry surfaces should be primed with **ProTXcoat 302 Primer**.

All primed surfaces must be clean, dry and free from oil, grease and other contamination.

All primers should be applied in accordance with their product tech sheet.

incorporate any slight separation, whilst continuing stirring the contents of the activator container should be added. Continue stirring until a homogeneous mix is obtained.

The mixed material must be used within 2 hours of mixing at 20°C (68°F).

APPLICATION

Application should not be carried out when relative humidity exceeds 85% or when the surface to be coated is less than 3 °C above the dew point. The minimum temperature for application is 2°C (36°F).

Brush: Good quality brushes should be used with even strokes, ensuring that the **805** is not overbrushed leading to less than the specified coating thickness.

Roller: Short pile mohair rollers are the preferred equipment for this application method. **805** should be spread evenly with regular checks made to ensure the correct uniform wet film thickness is achieved.

805 does not normally require thinning for brush / roller application..

Airless Spray: Typical spray settings are as

follows: Pump Ratio	32:1
Tip Size	0.013-0.015"
Tip Pressure	2000 psi

Excessively high tip spraying pressure should be avoided. The minimum pressure at the pump conducive to good atomisation should be used **805**.

MIXING

805 The base component should be thoroughly stirred to

Conventional Spray: Pressure Pot or Airless Assisted units are suitable types of equipment. A typical tip setting is a Devilbiss JGA 502 Gun with JGA 402FF Needle.

All equipment must be cleaned IMMEDIATELY after use.

Theoretical Coverage Rate

13.75 m²/litre at 40 microns dft

Recommended Film Thickness

Wet 72 microns (3 mils)
Dry 40 microns (1.6 mils)

PHYSICAL CONSTANTS

Mixing Ratio Full Gloss and Semi-Gloss
3 parts base to 1 part activator by volume. Matt and Low Gloss
4 parts base to 1 part activator by volume

Appearance Base Coloured Liquid
Activator Clear Liquid

Drying & Cure Times at 20°C (68°F)

Usable Life	2 hours
Touch Dry	3-4 hours
Hard Dry	16hrs
Minimum Overcoating	6hrs
Maximum Overcoating	24hrs
Full Cure	7days

Volume Solids 55%

V.O.C. 365 gms/litre

Shelf Life Use within 2 years of purchase. Store in original sealed containers at temperatures between 5°C (40°F) and 30°C (86°F).

PHYSICAL PROPERTIES

Abrasion Resistance 25 mgm weight loss per
ASTM D4060 500 cycles-CS10 wheel

Impact Resistance No failure (0.9 kg load
BS2782 Part 3 dropped 45 cm)

Scratch Resistance No failure 2.5 kg
load BS3900 Part E2

Water Vapour Permeability 3.74 x 10⁻⁵
ASTM D1653

U.V. Resistance 1000 hours QUV-B no loss
ASTM G 53 of gloss, no colour change

HEALTH & SAFETY

As long as normal good practice is observed **805** can be safely used.

Protective gloves should be worn during use.

A fully detailed **Safety Data Sheet** is either included with the material or is available on request.

PACKAGING

Supplied in 5kg and 20kg packs

The information provided in this Product Data Sheet is intended as a general guide only and should not be used for specification purposes. The information is given in good faith but we assume no responsibility for the use made of the product or this information because this is outside the control of the company. Users should determine the suitability of the product for their own particular purposes by their own tests.



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