



POLY U400 ANTIGRAFFITI CLEAR

P50.03

DESCRIPTION

- a two pack, isocyanate catalysed polyurethane non-sacrificial antigraffiti clear coating
- approved to APAS-1441/1, APAS-1441/3

PRINCIPAL CHARACTERISTICS

- can be specified where long-term protection from damage caused by graffiti is required.
- contains silicone additives to minimise graffiti adhesion for easier removal
- the clear coating is a barrier to the risk of shadowing after graffiti is removed
- unlimited recoatability
- outstanding exterior durability
- extremely tough, flexible, and abrasion resistant
- common graffiti may be removed using a suitable graffiti removers
- excellent resistance to solvents
- excellent resistance to mechanical abrasion
- typical applications are for the protection of walls in high density population areas where damage by graffiti is prevalent, eg. pedestrian walkways, bus shelters, railway stations, staircases, etc

COLOUR AND GLOSS

- Clear - full gloss

BASIC DATA AT 25°C

- solids content approx. 42% by volume
- mix ratio 4A:1B by volume
- typical film thickness (per coat) 30 microns(dry), 70 microns(wet)
- theoretical spreading rate 14 m²/l for 30 microns(dry)
- touch dry after refer curing table for details
- overcoating interval refer overcoating table for details
- full cure after 7 days
- shelf life (cool and dry place) at least 12 months

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURE

- previous suitable coat must be dry and free from chalking and contamination and sufficiently roughened if necessary
- oil and grease should be removed from all surfaces in accordance with AS 1627.1 solvent cleaning
- when applying directly to concrete and brickwork a small area should be test first for adhesion and appearance
- substrate temperature must be at least 5°C during surface preparation, application and curing and at least 3°C above dew point
- relative humidity should not exceed 75% during application and before the dry to handle time
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INSTRUCTIONS FOR USE

- mixing ratio by volume 4A:1B
- induction time - none
- pot life at 25°C 5 hours for standard hardener, (3 hours for rapid recoat hardener). Do not use after this time even if the mix is still liquid
- stir the components and mixed product well using a mechanical mixer
- the temperature of the mixed product must be above 15°C, otherwise extra thinner may be required to obtain application viscosity
- too much thinner will result in lower sag resistance and slower cure
- thinner should only be added after mixing the components
- freshly catalysed material should not be added to product that has been mixed for some time
- for recommendations outside those contained in this data sheet, refer to Wattyl

APPLICATION

- **AIRLESS SPRAY**
 - recommended thinner Thinner L707
 - volume of thinner 5-10%
 - nozzle orifice..... approx. 0.28 mm (0.011 inch)
 - nozzle pressure 15 MPa (2100 psi)
- **AIR SPRAY**
 - recommended thinner Thinner L707
 - volume of thinner 15-25%
 - nozzle orifice..... 1.4-1.8 mm
 - nozzle pressure 0.3 - 0.4 MPa (50 - 60 psi)
- **BRUSH/ROLLER**
 - recommended thinner Thinner L724
 - volume of thinner 5-10%
- **CLEANING SOLVENT** Thinner L707

SAFETY PRECAUTIONS

- flammable. Avoid contact with heat and naked flame
- avoid contact with skin and eyes
- Use gloves, mask and goggles during application
- provide adequate ventilation when using in confined spaces
- this paint contains 0.049% monomeric diisocyanate when mixed. Provide adequate ventilation during use. Breathing the vapour is dangerous. Avoid breathing of fumes. Where applied by spray, use suitable air-fed respiratory equipment/hood at all times
- this product is intended for use in industrial situations by professional applicators in accordance with the advice given on this sheet. All work involving the use and application of this product should be carried out in compliance with all relevant Health, Safety & Environmental standards and regulations and must not be used without reference to the Material Safety Data Sheet (MSDS)



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ADDITIONAL DATA

Overcoating table - with Poly U400 Antigraffiti Clear

| Substrate temperature | Poly U400 Std PT B | | | | Poly U400 Rapid Recoat PT B | | | |
|-----------------------|--------------------|--------|--------|-------|-----------------------------|--------|------|-------|
| | 5°C | 15°C | 25°C | 35°C | 5°C | 15°C | 25°C | 35°C |
| Minimum interval | 36 hrs | 24 hrs | 16 hrs | 6 hrs | 24 hrs | 12 hrs | 6 hr | 3 hrs |
| Maximum interval | unlimited | | | | unlimited | | | |

- surface must be free from chalking and contamination

Curing table

| Substrate temperature | Poly U400 Std PT B | | | Poly U400 Rapid Recoat PT B | | |
|-----------------------|--------------------|---------------|-----------|-----------------------------|---------------|-----------|
| | Touch dry | Dry to handle | Full cure | Touch dry | Dry to handle | Full cure |
| 5°C | 8 hrs | 36 hrs | 16 days | 4 hrs | 16 hrs | 16 days |
| 15°C | 4 hrs | 24 hrs | 10 days | 2 hrs | 10 hrs | 10 days |
| 25°C | 2 hrs | 16 hrs | 7 days | 1 hr | 6 hrs | 7 days |
| 35°C | 1 hr | 8 hrs | 5 days | 30 min | 3 hrs | 5 days |

- adequate ventilation must be continuously maintained during application and curing

Potlife (at application viscosity)

| Paint temperature | Poly U400 Std PT B | Poly U400 Rapid Recoat PT B |
|-------------------|--------------------|-----------------------------|
| 15°C | 8 hrs | 5 hrs |
| 25°C | 5 hrs | 3 hrs |
| 35°C | 3 hrs | 2 hrs |

CUSTOMER SERVICE HOTLINE 132101 (Aust)

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