

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 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

COLOURS AND GLOSS

- Clear - full gloss

RECOMMENDED FILM THICKNESS (PER COAT)

	Minimum	Maximum	Typical
Dry film thickness microns	30	30	30
Wet film thickness microns	70	70	70
Theoretical spreading rate m ² /l	14.0	14.0	14.0

BASIC DATA AT 25 °C

- solids content approx..... 42% by volume
- mix ratio 4A:1B by volume
- touch dry after 2 hours (Std Part B)
1 hour (RR Part B)
- full cure 7 days (Std & RR Part B)
- temperature resistance 95 °C (dry), 35 °C (wet)

SURFACE PREPARATION

- 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

BARE CONCRETE AND BRICKWORK

- suitable for application direct to fully cured bare concrete and brickwork
- remove all laitance and contamination from the surface prior to application
- concrete shall be cured for 28 days
- moisture content of concrete should be max. 4%
- when applying directly to concrete and brickwork a small area shall be tested first for adhesion and appearance

- multiple coats may be required to achieve antigraffiti properties depending on the porosity of the substrate
- systems on tiltup or precast concrete require special attention refer to Wattyl Technical Service for assistance before application

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
- previous suitable coats include Wattyl Poly U400, Poly U750 and Paracryl solid colours and Metallics, Wattyl Solagard® and Wattyl interior design i.d® (for interior use)
- all previous coatings must be well cured before application of Poly U400 Antigraffiti Clear
- not suitable for application over enamels or texture coatings

PREVIOUSLY GRAFFITIED SURFACE

- presence of graffiti may result in wrinkling or bleed through even if it has been painted over. Therefore, completely remove graffiti OR seal off graffiti with a suitable epoxy barrier coat before reinstating full colour coat. Then follow instruction from *Previously Painted Surfaces* section above

APPLICATION INSTRUCTIONS

- mixing ratio by volume 4A:1B
- mix Poly U400 Antigraffiti Clear Part A with Poly U400 Standard (Std) Part B or Poly U400 Rapid Recoat (RR) Part B only
- induction time - none
- pot life at 25 °C 5 hours for Standard (Std) Part B, (3 hours for Rapid Recoat (RR) Part B). 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
- Valspar recommends the use of coating inspection reports in compliance with AS/NZS 3894.10,11,12 refer to Information Sheet I-20 for more information
- for recommendations outside those contained in this data sheet, refer to Valspar

APPLICATION METHODS

- **AIRLESS SPRAY**
 - recommended thinner..... Thinner L747
 - volume of thinner5-10%
 - nozzle orifice approx.0.28mm
(0.011 inch)
 - nozzle pressure15 MPa (2100psi)
- **AIR SPRAY**
 - recommended thinner..... Thinner L747
 - volume of thinner15-25%
 - nozzle orifice approx.1.4-1.8mm
 - nozzle pressure0.3-0.4 MPa (50-60 psi)
- **BRUSH/ROLLER**
 - recommended thinner Thinner L754
 - volume of thinner5-10%
- **CLEANING SOLVENT..... Thinner L747**

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)

ADDITIONAL DATA

Graffiti Removal

Poly U400 Antigrffiti Clear has the ability to withstand repeated solvent washing after achieving full cure.

New Graffiti

- use a non-abrasive cloth pad soaked in Wattyl Thinner L747 or Wattyl L780 Industrial Universal Thinner
- lightly rub the surface affected until graffiti is removed
- best results are obtained by removing graffiti within a few days. If this method is not sufficient, refer to the method below

Aged Graffiti

- prolonged exposure and drying of some types of paints and felt pens may mean the above method has little effect in removing them, therefore it may be necessary to use a stronger, commercially available graffiti remover, suitable for painted surfaces
- apply graffiti remover in conjunction with the manufacturers recommendations, they are typically used in conjunction with a soft bristled brush

- wash down surface to remove any residue from the graffiti removal process
- caution should be taken to limit the exposure of POLY U400 Antigrffiti Clear to these removal products as extended contact and repeated use may cause a hazy / low gloss appearance and result in the need to reapply more Poly U400 Antigrffiti Clear
- if some shadowing can not be removed by the above methods then it will be necessary to lightly sand the surface to remove the shadowing and re apply an additional coat of Poly U400 Antigrffiti Clear

Overcoating Table

Overcoating interval for Poly U400 Antigrffiti Clear cured with Standard Part B when top coating with itself

Interval	5 °C	15 °C	25 °C	35 °C
Min	36 hrs	24 hrs	16 hrs	6 hrs
Max	Unlimited when dry and free from any chalking and contamination			

Overcoating interval for Poly U400 Antigrffiti Clear cured with Rapid Recoat Part B when top coating with itself

Interval	5 °C	15 °C	25 °C	35 °C
Min	24 hrs	12 hrs	6 hrs	3 hrs
Max	Unlimited when dry and free from any chalking and contamination			

Curing and Potlife Table

Poly U400 Antigrffiti Clear Cured with Standard Part B

Paint temperature	5 °C	15 °C	25 °C	35 °C
Touch Dry	8 hrs	4 hrs	2 hrs	1 hr
Dry to handle	36 hrs	24 hrs	16 hrs	8 hrs
Full cure	16 days	10 days	7 days	5 days
Potlife (at application viscosity)		8 hrs	5 hrs	3 hrs

Poly U400 Antigrffiti Clear Cured with Rapid Recoat (RR) Part B

Paint temperature	5 °C	15 °C	25 °C	35 °C
Touch Dry	4 hrs	2 hrs	1 hr	30 min
Dry to handle	16 hrs	10 hrs	6 hrs	3 hrs
Full cure	16 days	10 days	7 days	5 days
Potlife (at application viscosity)		5 hrs	3 hrs	2 hrs

- adequate ventilation must be continuously maintained during application and curing

PRECAUTIONS

- for recommendations outside those contained in this data sheet, refer to Valspar

PRODUCT COMPATIBILITY

Primers

- Poly U400 (Colours and Metallic)
- Poly U400 Antigrffiti Clear
- Poly U750
- Paracryl IF540 (Colours and Metallic)
- Solagard
- Wattyl Interior Design i.d

Topcoats

- Poly U400 Antigrffiti Clear

STORAGE AND PACKAGING

- shelf life at least 12 months
- all components shall be stored in a dry internal environment at between 5 °C and 35 °C
- packaging 5 Litre Kit (4 Litre Part A, 1 Litre Part B)
- product line: 2022



Quality
ISO 9001

Valspar is committed to quality in the design, production and delivery of its products and services. Valspar's Australian manufacturing facilities quality management systems are certified to ISO9001.

Valspar's laboratory facilities are accredited for technical competence with the National Association of Tests Authorities, Australia (NATA) and comply with the requirements of ISO/IEC 17025. Accreditation No.104 (Footscray), 1154 (Glendenning) and 931 (Kilburn).



For the most up to date information contact Valspar Customer Service Hotline or visit the Wattyl Website.

CUSTOMER SERVICE HOTLINE	Australia 132 101	New Zealand 0800 735 551
WEBSITE	www.wattylpc.com	www.wattylpc.com

Trademarks are the property of Valspar Paint (Australia) Pty Ltd.

1. This information, provided by Valspar Paint (Australia) Pty Ltd (hereinafter referred to as "Valspar"), is important to ensure that the listed product(s) perform according to the stated application and uses and must be followed to meet Valspar's warranties express and implied. Valspar advises that you (a) review the Technical Data Sheets (TDS) and Material Safety Data Sheets (MSDS) before you use or handle the product; (b) ensure that the product be used only in accordance with the information provided by Valspar and the product(s) be transported, stored and handled in accordance with the information on the MSDS and relevant TDS; and (c) thoroughly test the product, using the recommended application method on a sample of intended substrate, before using the product. 2. The information in this TDS was prepared using information gathered during product development. While Valspar endeavours to update this information and maintain the accuracy and currency of its contents, Valspar does not warrant that the information provided is current when the product is used or is wholly comprehensive. 3. For all product and non-product related information, Valspar recommends that you conduct such additional investigations as may be necessary to satisfy yourself of the accuracy, currency and comprehensiveness of the information on which you rely in using and handling the product. If you require further information please contact your nearest Valspar office before using the product(s). 4. To the full extent permitted by law, Valspar's liability for breach of a condition or warranty implied into the contract for sale between Valspar and you by law is limited at Valspar's election to: (a) the replacement of the product; or (b) payment of the cost of replacing the product. If coating rectification is required Valspar Technical Services shall be contacted prior to commencement. VALSPAR PAINT (AUSTRALIA) PTY LTD (ABN 40 000 035 914)