

**POLY-U-400 ANTIGRAFFITI CLEAR**

(SigmaDur 400 Antigrافiti Clear)

DATA SHEETS

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**DESCRIPTION**

- a clear polyurethane finish with antigrافiti properties

**PRINCIPAL CHARACTERISTICS**

- Poly-U-400 Antigrافiti Clear can be specified where long-term protection from damage caused by grافiti is required.
- contains silicone additives to minimise grافiti adhesion for easier removal
- the clear coating is a barrier to the risk of shadowing after grافiti is removed
- grافiti such as paint, inks, lipstick, felt pens, etc. may be removed using acrylic thinner without damaging the clear coating
- typical applications are for the protection of walls in high density population areas where damage by grافiti is prevalent, eg. pedestrian walkways, bus shelters, railway stations, staircases, etc
- excellent resistance to solvents
- outstanding exterior durability
- extremely tough, flexible, and abrasion resistant
- excellent resistance to mechanical abrasion
- unlimited recoatability
- approved to APAS-1441/1, 1441/3

**COLOUR AND GLOSS**

- clear - full gloss

**BASIC DATA AT 25°C**

- |                                     |   |
|-------------------------------------|---|
| • solids content                    | approx. 42% by volume   |
| • typical film thickness (per coat) | 30 microns (dry), 70 microns (wet)  |
| • theoretical spreading rate        | 14.0 m <sup>2</sup> /l for 30 microns (dry)   |
| • touch dry after                   | 2 hours   |
| • overcoating interval              | min. 16 hours, max. unlimited.<br>- ensure surface is free from contamination and chalk |
| • full cure after                   | 7 days  |
| • shelf life (cool and dry place)   | at least 12 months  |

**RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURE**

- previous suitable coat; dry and free from any contamination and sufficiently roughened if necessary
- substrate temperature must be at least 5°C during surface preparation, application and curing and at least 3°C above dew point
- due to efflorescence and the varying composition of bricks a test area should be tested for adhesion before application
- 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.** 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 p.s.i.)

**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 (43-57 p.s.i.)

**BRUSH/ROLLER**

- recommended thinner Thinner L724
- volume of thinner 5-10%

**CLEANING SOLVENT**

Thinner L707

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**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
- for further information refer to the relevant Material Safety Data Sheet
- 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 should not be used without reference to the Material Safety Data Sheet (MSDS)

**ADDITIONAL DATA****Overcoating table - with Poly-U-400 Antigrافitti Clear**

Substrate temperature	5°C	15°C	25°C	35°C
Minimum Interval	36 hrs	24 hrs	16 hrs	8 hrs
Maximum interval	unlimited when cleaned from any chalking and contamination			

**Curing table**

Substrate temperature	Touch dry	Dry to handle	Full cure
5°C	8 hrs	36 hrs	16 days
15°C	4 hrs	24 hrs	10 days
25°C	2 hrs	16 hrs	7 days
35°C	1 hr	8 hrs	5 days

adequate ventilation must be continuously maintained during application and curing.

**Pot life (at application viscosity)**

Paint temperature	Pot life
15°C	8 hrs
25°C	5 hrs
35°C	3 hrs

**PACKING GROUP III****UN NO.** 1263**PACKAGING** 5 litres

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**SYSTEM COMPATIBILITY**

- the following intermediates are recommended for use with Poly-U-400 Antigraffiti Clear:

Poly-U-400 (SigmaDur 400)  
Poly-U-500 or SigmaDur 750  
Paracryl (SigmaDur 540)  
Wattyl (ONLY) Exterior Acrylic products (in these cases always refer to Wattyl)

- for systems information refer to Wattyl PCM Manual - Protective Coating Systems Guide or refer to Wattyl

**REFERENCES**

- Safety Information see general information sheet 4001
- Safety in Confined Spaces and Health Safety see general information sheet 4002  
Explosion Hazard & Toxic Hazard
- Safe Working in Confined Spaces see general information sheet 4003
- Directives for Ventilation Practice see general information sheet 4004

**WORLDWIDE AVAILABILITY**

While it is always the aim of Wattyl-Sigma Coatings to supply the same product on a worldwide basis, slight variations in the product is sometimes necessary to comply with local or national legislative regulations. Under these circumstances an alternative product data sheet is used.

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- This information is provided with respect to the listed Wattyl products. Wattyl recommends that:
  - you review the Technical Data Sheets (TDS) and Material Safety Data Sheets (MSDS) before you use or handle the product;
  - the product be used only in accordance with the information provided by Wattyl;
  - the product be transported, stored and handled in accordance with the information on the MSDS and relevant TDS; and
  - you thoroughly test the product, using the recommended application method on a sample of intended substrate, before using the product.
- The information in this technical data sheet was prepared using information gathered during product development. While Wattyl endeavours to update this information and currency of its contents, Wattyl cannot guarantee that the information provided is wholly comprehensive.
- Wattyl recommends that you conduct such additional investigations as may be necessary to satisfy yourself of the accuracy, currency and comprehensiveness of the information in using and handling the product. If you require further information please contact your nearest Wattyl Office.
- To the full extent permitted by law, Wattyl's liability for breach of a condition or warranty implied into the contract for sale between Wattyl and you by law is limited to (a) the replacement of the product; or (b) payment of the cost of replacing the product.