



| | 4 pages | May 2008 Revision of February 2006 | |
|---|---|---------------------------------------|--|
| DESCRIPTION | two component high solids polymeric urethane | | |
| PRINCIPAL CHARACTERISTICS | excellent resistance to atmospheric exposure cor outstanding colour and gloss retention non-chalking, non-yellowing cures at temperatures down to -5°C tough and abrasion resistant resistant to splash of mineral and vegetable oils, petroleum products and mild chemicals can be recoated even after long atmospheric exp | paraffins, aliphatic | |
| COLOURS AND GLOSS | white and various other colours (see also the Sigma Protective & Marine Coatings) - gloss | Care Shade Card of PPG | |
| BASIC DATA AT 20°C | (1 g/cm ³ = 8.25 lb/US gal; 1 m ² /l = 40.7 ft ² /US gal) (data for mixed product) | | |
| Mass density Volume solids VOC (supplied) Recommended dry film thickness Theoretical spreading rate Touch dry after Overcoating interval Full cure after | 1.3 g/cm ³ $68 \pm 2\%$ max. 226 g/kg (Directive 1999/13/EC, SED) max. 289 g/l (approx. 2.4 lb/gal) 75 µm depending on system 9.1 m ² /l for 75 µm 2 hours min. 12 hours * max. unlimited 7 days * | | |
| | (data for components) | | |
| Shelf life (cool and dry place) | at least 12 months * see additional data | | |
| RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES | previous coat; (epoxy or polyurethane) dry and fra and sufficiently roughened if necessary substrate temperature should be at least 3°C abo maximum relative humidity during application and | ve dew point | |
| INSTRUCTIONS FOR USE | mixing ratio by volume: base to hardener 84 : 16 | | |
| | the temperature of the mixed base and hardener 15°C, otherwise extra solvent may be required to too much solvent results in reduced sag resistance thinner should be added after mixing the component | obtain application viscosity | |
| Induction time | none | | |
| Pot life | 5 hours at 20°C * * see additional data | | |





DATA

| AIRLESS SPRAY Recommended thinner Volume of thinner Nozzle orifice Nozzle pressure | Sigma thinner 21-06 3 - 5%, depending on required thickness and application conditions approx. 0.38 - 0.42 mm (= 0.015 - 0.016 in) 18 MPa (= approx. 180 bar; 2560 p.s.i.) | | | ns |
|--|---|--------|-----|-----|
| AIR SPRAY Recommended thinner Volume of thinner Nozzle orifice Nozzle pressure | Sigma thinner 21-06 5 - 10%, depending on required thickness and application conditions 1 - 1.5 mm 0.3 - 0.4 MPa (= approx. 3 - 4 bar; 43 - 57 p.s.i.) | | | |
| BRUSH/ROLLER Recommended thinner Volume of thinner | Sigma thinner 21-06 0 - 5% | | | |
| CLEANING SOLVENT | Sigma thinner 90-53 | | | |
| SAFETY PRECAUTIONS | for paint and recommended thinners see safety sheets 1430, 1431 and relevant material safety data sheets this is a solvent borne paint and care should be taken to avoid inhalation of spray mist or vapour as well as contact between the wet paint and exposed skin or eyes | | | |
| | | | | |
| contains a toxic polyisocyanate curing agent avoid at all times inhalation of aerosol spraymist | | | | |
| ADDITIONAL DATA | DDITIONAL DATA Film thickness and spreading rate | | | |
| | theoretical spreading rate m²/l | 9.1 | 6.8 | 5.4 |
| | dft in µm | 75 | 100 | 125 |
| | Overcoating table for SigmaDu | r 1800 | | |
| | | | | |

| substrate temperature | -5°C | 0°C | 10°C | 20°C | 30°C | 40°C |
|--------------------------|---|-----------|----------|-------------|------------|------------|
| minimum interval | 3 days | 2 days | 1 day | 12 hours | 8 hours | 5 hours |
| maximum interval | unlimited when cleaned from any contamination | | | | | |





Curing table

| substrate temperature | touch dry | full cure |
|-----------------------|-----------|-----------|
| -5°C | 8 hours | 22 days |
| 0°C | 5 hours | 18 days |
| 10°C | 3 hours | 10 days |
| 20°C | 2 hours | 7 days |
| 30°C | 1 hour | 4 days |
| 40°C | 0.5 hour | 3 days |

 adequate ventilation must be maintained during application and curing (please refer to sheet 1433 and 1434)

 please note that should condensation occur during or soon after application this may result in a reduction of gloss

Pot life (at application viscosity)

| 10°C | 7 hours | |
|------|---------|--|
| 20°C | 5 hours | |
| 30°C | 4 hours | |
| 40°C | 3 hours | |

Worldwide availability

Whilst it is always the aim of PPG Protective & Marine Coatings to supply the same product on a worldwide basis, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.

| REFERENCES | Explanation to product data sheets Safety indications Safety in confined spaces and health safety | see information sheet 1411 see information sheet 1430 |
|------------|--|--|
| | Explosion hazard - toxic hazard Safe working in confined spaces Directives for ventilation practice Cleaning of steel and removal of rust | see information sheet 1431 see information sheet 1433 see information sheet 1434 see information sheet 1490 |

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LIMITATION OF LIABILITY

The information in this data sheet is based upon laboratory tests we believe to be accurate and is intended for guidance only. All recommendations or suggestions relating to the use of the Sigma Coatings products made by PPG Protective & Marine Coatings, whether in technical documentation, or in response to a specific enquiry, or otherwise, are based on data which to the best of our knowledge are reliable. The products and information are designed for users having the requisite knowledge and industrial skills and it is the end-user's responsibility to determine the suitability of the product for its intended use.

PPG Protective & Marine Coatings has no control over either the quality or condition of the substrate, or the many factors affecting the use and application of the product. PPG Protective & Marine Coatings does therefore not accept any liability arising from loss, injury or damage resulting from such use or the contents of this data sheet (unless there are written agreements stating otherwise).

The data contained herein are liable to modification as a result of practical experience and continuous product development.

This data sheet replaces and annuls all previous issues and it is therefore the user's responsibility to ensure that this sheet is current prior to using the product.

The English text of this document shall prevail over any translation thereof.

| | PDS | 7529 |
|--------|-------|------------|
| 236077 | white | 7000001400 |
| 236081 | white | 7000002200 |



