

# Finishprime

## Polyurethane



### DESCRIPTION

Two component solvented aliphatic isocyanate cured, pigmented polyurethane coating

### INTENDED USE

A high performance and high build polyurethane primer/finish. Speccoats Finishprime PU contains anti-corrosive pigments and can be used as a primer. It contains UV absorbing properties and can be used as a topcoat on itself

### PRODUCT FEATURES

- This product is fast curing and is specifically designed for in-shop application
- Easily applied by airless spray and has unlimited recoatability
- It has a good resistance to UV light and atmospheric exposure
- It has good colour and gloss retention
- It has low chalking and yellowing properties
- The sprayed film is tough and abrasion resistant and can be over-coated after atmospheric exposure

### LIMITATIONS

- Not resistant to strong acids and alkalis

### PACKAGING

- 5lt and 20lt Kits

### STANDARD COLOUR AVAILABILITY

- Light Grey      • Other colours on request



### PRODUCT INFORMATION

- **Number of Components:** 2
- **Mixing Volume Ratio:** 9 to 1
- **Density:** 1.35 kg/litre
- **Volume Solids:** 55%
- **Pot Life:** 4 hours @ 20°C
- **Film Thickness:** Wet - 145µm  
Dry - 80µm
- **Spreading Rate:** 7m<sup>2</sup> /lt @ 80µm DFT
- **Temperature Resistance:** Dry 80°C
- **V.O.C.** 295 g / litre

### SURFACE PREPARATION

- Degrease surfaces with Speccoats Aqueous Degreaser followed by a high pressure water rinse
- Grind and fettle weld spatter, protrusions and sharp edges to a minimum radius of 2mm
- All surfaces must be dry and clean

#### Steel

- All surface shall be abrasive blast cleaned to grade SA 2 ½ of standard ISO 8501-1 with a blast profile of 30-40µm. The coating must be applied before any flash rusting occurs or the surface shall be re-blast cleaned
- Alternatively abrade the surface thoroughly using grinding disks to achieve a similar profile

#### Galvanizing

- New galvanizing – degrease using Speccoats Galvanized Iron Cleaner
- Old Galvanizing – abrade or abrasive blast clean with ultra fine grit to remove corrosion product

#### Aluminium

- Abrade Lightly with a fine grade of aluminium oxide grit or abrade with 200 grit water-paper to a bright metallic finish
- Alternatively use an approved chemical conversion process

#### GRP

- Abrade Lightly with 200 grit water-paper to a matt finish



# Finishprime

## Polyurethane

### APPLICATION

#### Mixing – Two Components

- Stir the base component well with a flat-bottomed paddle or mechanical mixer until product is uniform. Continue stirring and add the entire contents of the activator container. Continue stirring until the mixture is homogeneous. Stir again immediately prior to use.

#### Application – Equipment & Methods

|                    |  |
|--------------------|--|
| Brushes            | Apply uniform, even coating with high quality brushes from Speccoats   |
| Rollers            | Apply uniform, even coating with short pile rollers from Speccoats   |
| Airless Spray      | Pump Ratio - 30 to 1 Min<br>Nozzle Orifice - 11 to 15 Thou<br>Tip Pressure - 145 Bar Min   |
| Conventional Spray | <ul style="list-style-type: none"> <li>Air Assisted Airless</li> <li>Pressure Pot - Pressure Feed Gun</li> <li>Gravity Feed Gun</li> <li>Various Nozzle sets are available to suit the guns</li> </ul> |

#### Thinning

- Thin up to 15% with *Speccoats Lacquer Thinners*

#### Cleaner

- Cleaning is done with *Speccoats Lacquer Thinners*

### APPLICATION ENVIROMENT

| Level   | Surface Temperature | Ambient Temperature | Relative Humidity |
|---------|---------------------|---------------------|-------------------|
| Minimum | 10°C*               | 7°C                 | No lower limit    |
| Maximum | 40°C                | 45°C                | 85%               |

\*or 3° above the dew point

### DRYING TIME

| Touch dry                          | Over-coating interval     |            | Dry to handle             | Full Cure |
|------------------------------------|---------------------------|------------|---------------------------|-----------|
|                                    | Minimum                   | Maximum    |                           |           |
| 1 hours at 25°C for 50µm at 65% RH | 4 hours at 25°C at 65% RH | indefinite | 4 hours at 25°C at 65% RH | 2 days    |

### STORAGE AND HANDLING

**Storage -** Store at temperatures between 5°C and 40°C, away from direct sunlight, open flames or sparks

**Flash Point -** 5°C

**Shelf Life -** Minimum 1 year when packed in original containers

### HEALTH AND SAFETY

- Flammable – keep away from sources of ignition – No smoking!!!
- Adequate ventilation should be provided during use
- Avoid contact with the skin by using gloves, barrier creams and face mask
- If the product comes into contact with the skin, wash immediately with lukewarm water and soap, if the eyes are affected flush with water of diluted boric acid solution and seek medical attention immediately
- Refer to Material Safety Data Sheet (MSDS)

### DISCLAIMER

Whilst we endeavour to ensure that all advice we give about the product is correct, the information given in this data sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so entirely at his own risk. As conditions of use, method of application and suitability of the substrate prior to painting are beyond our control, no guarantee is implied by the recommendations contained herein. We therefore do not accept any liability whatsoever or howsoever arising from the performance of this product or for any loss or damage arising out of the use of this product. The information contained in this sheet is liable to modification from time to time in the light of experience and ongoing product development programmes. It is the user's responsibility to ensure that this sheet is current prior to using the product. **ISSUE DATE 12/10/2010**