

MS Primer



DESCRIPTION

Two component, solvented acrylic polyurethane cured with a polydi-isocyanate hardener

INTENDED USE

A high build two component primer that can be applied as a substrate for Speccoats Finishcoat Polyurethane Systems and Speccoats Auto Base Coat systems

PRODUCT FEATURES

- Provides optimum filling properties to cover any small imperfections such as scratches and minor hair line cracks
- Can be over coated once dry
- Good anti corrosive properties to protect underlying metal substrates
- Used mainly in the automotive industry where a exceptional finish is required, on fibreglass and mild steel
- Adheres well to *Speccoats Auto filler, Featherlite Filler, Auto Spray filler and Spot Putty*

PACKAGING

- 1 & 5lt Tins

STANDARD COLOUR AVAILABILITY

Beige



Grey



PRODUCT INFORMATION

- **Number of Components:** 2
- **Density:** 1.49
- **Viscosity:** 180-200sec. Ford Cup 4
- **Mixing Volume Ratio:** 4 to 1
- **Volume Solids:** 50%
- **Pot Life:** 4 hours @ 20°C
- **Film Thickness:** Wet - 100µm
Dry - 50µm
- **Spreading Rate:** 10m² /lt @ 50µm DFT

SURFACE PREPARATION

Steel

- 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

GRP

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



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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 | Not recommended |
| Rollers | Not recommended |
| Airless Spray | Pump Ratio - 30 to 1 Min Nozzle Orifice - 11 to 15 Thou Tip Pressure - 145 Bar Min |
| Conventional Spray | <ul style="list-style-type: none"> Air Assisted Airless Pressure Pot - Pressure Feed Gun Gravity Feed Gun Various Nozzle sets are available to suit the guns |

Thinning

- Thin up to 30% with *Speccoats Lacquer Thinners or PU Thinners*

Cleaner

- Cleaning is done with *Speccoats Lacquer Thinners*

APPLICATION ENVIROMENT

| Level | Surface Temperature | Ambient Temperature | Relative Humidity |
|---------|---------------------|---------------------|-------------------|
| Minimum | 3°C* | 5°C | No lower limit |
| Maximum | 45°C | 40°C | 85% |

*or 3° above the dew point

DRYING TIME

| Touch dry | Over-coating interval | | Dry to handle |
|-----------------------------------|--------------------------|---------|--------------------------|
| 1 Hour at 25°C for 50µm at 65% RH | Minimum | Maximum | 1 hour at 25°C at 65% RH |
| | 1 hour at 25°C at 65% RH | - | |

STORAGE AND HANDLING

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

Flash Point - 23°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 20/10/2010**