

Surtol Aluminium

Primer-Finishcoat



DESCRIPTION

Two component solvented, high solids (low V.O.C.), modified epoxy coating containing aluminium, anti corrosive pigments and other high performance characteristics

INTENDED USE

Developed as a high performance, high solids epoxy aluminium formulation that is surface tolerant i.e. which can be applied to hand prepared surfaces,

Used as a heavy duty primer/topcoat which can also be over-coated by a variety of topcoats such as; epoxies, polyurethanes, alkyds, acrylics etc

PRODUCT FEATURES

- Used on surface which cannot be abrasive blast cleaned
- Provides good corrosion protection to wire brushed rusty steelwork
- Applied in heavy coat (125 microns DFT per application) as a high build primer which can be over-coated or as a highly effective primer/topcoat system (2 coats at 125 microns DFT per coat)
- Provides excellent long-term weather resistance
- Exhibits good physical properties such as adhesion to steel and impact resistance
- Resistant to humidity, salt water and exterior exposure conditions

PACKAGING

- 10lt Kits

STANDARD COLOUR AVAILABILITY

Aluminium



PRODUCT INFORMATION

- **Number of Components:** 2
- **Mixing Volume Ratio:** 1 to 1
- **Volume Solids:** 90%
- **Pot Life:** 75 minutes @ 20°C
- **Film Thickness:** Wet - 140µm
Dry - 125µm
- **Spreading Rate:** 7m² /lt @125µm DFT
- **Temperature Resistance:** Dry 100°C
- **V.O.C:** 78 grams/Litre

LIMITATIONS

- The material will chalk when exposed to sunlight
- Adhesion between the product and the subsequent coats will be adversely affected if the over-coating time is exceeded. It is recommended that a holding primer such as **Speccoats Pipetank EA900 Holding Primer** or **Speccoats Waterbased Epoxy Primer** be used to overcoat the product if the second coat application is delayed

SURFACE PREPARATION

- Wash surface with **Speccoats Aqueous / Solvent Degreaser**
- Grind & Fettle weld spatter, protrusions and sharp edges to a radius of 2mm
- All surfaces must be clean and dry
- Abrade the surface thoroughly using grinding discs to achieve a profile of 50-70µm
- Alternatively wire brush the surface to remove all loose rust



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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.
- Ensure that sufficient material be mixed that the product can be applied within its use-able life

Application – Equipment & Methods

Brushes	Two coats required to achieve correct thickness. Use good quality brushes and apply a uniform even thickness coating
Rollers	Two coats required to achieve correct thickness. Use a short pile roller and apply a uniform even thickness coating
Airless Spray	Pump Ratio - 30 to 1 Nozzle Orifice - 13 to 19 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 10% with **Speccoats SA65 Thinners**

Cleaner

- Cleaning is done with **Speccoats SA65 Thinners**

APPLICATION ENVIROMENT

Level	Surface Temperature	Ambient Temperature	Relative Humidity
Minimum	5°C*	5°C	No lower limit
Maximum	40°C	45°C	90%

*or 3° above the dew point

DRYING TIME

Touch dry	Over-coating interval		Dry to handle
4 hours at 25°C for 50µm at 65% RH	Minimum	Maximum	7 Days at 25°C at 65% RH
	16 hours at 25°C at 65% RH	72 Hours	

STORAGE AND HANDLING

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

Flash Point - 30°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 21/10/2010**