

Finishcoat Polyurethane 9:1



DESCRIPTION

Two component, solvented polyurethane, aliphatic cured reactive acrylic binder, pigmented topcoat

INTENDED USE

A two component aliphatic polyurethane system suitable for use on a wide range of steel, fibreglass and other substrates where good durability is required. A good quality finish can be achieved on a large range of industrial items such as transformer cabinets, cranes, pumps and valves, electric motor housings etc. Fast drying and durable this product is the logical alternative to air drying enamels and will far outperform QD Enamels. Used over suitable prime coats, a high gloss durable finish can be achieved

PRODUCT FEATURES

- Based on aliphatic isocyanate curing agents and non-yellowing acrylic resins
- Resistant to UV & sunlight
- Applied by spray – fast drying – touch dry in 20 minutes at 25°C
- Exhibits excellent flexibility & durability & is resistant to chalking
- Adhesion excellent in combination with the appropriate Speccoats system recommendation for specific applications
- Corrosion resistance unaffected by salt water or aggressive industrial environments
- Chemical resistance to aqueous

PACKAGING

- 5Lt Kits

STANDARD COLOUR AVAILABILITY



PRODUCT INFORMATION

- **Number of Components:** 2
- **Mixing Volume Ratio:** 9 to 1
- **Volume Solids:** 42%
- **Pot Life:** 3 hours @ 20°C
- **Film Thickness:** Wet - 120µm
Dry - 50µm
- **Spreading Rate:** 8.5m² /lt @ 50µm DFT
- **Temperature Resistance:** Dry 80°C

SURFACE PREPARATION

- Surfaces should be prepared and primed with the appropriate primer in accordance with the appropriate system recommendation for specific applications
- The primed surface should be clean, dry and free from oil, grease or other contamination

Over - Coating

- Wash surface with **Speccoats Aqueous / Solvent Degreaser**
- Lightly abrade using Scotchbrite pads followed by rinsing with drinking quality water & drying



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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 due to risk of bubbling
Rollers	Not recommended due to risk of bubbling
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 ENVIRONMENT

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
30 minutes at 25°C for 50µm at 65% RH	Minimum	Maximum	4 hours at 25°C at 65% RH
	1 hours at 25°C at 65% RH	24 Hours	

STORAGE AND HANDLING

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

Flash Point - 6°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**