

# Finishcoat Polyurethane Spatter Structure



## DESCRIPTION

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

## INTENDED USE

This is 3 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 structure finish developed for sheet metal cabinets and other similar items. Used over suitable primer coats, a low gloss durable finish can be achieved in two applications. The spatter structure enhances the appearance of the finished item and hides any abnormalities in the surface being coated

## 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 oils, fats, aqueous

## PACKAGING

- 5Lt Kit
  - 3lt base
  - 1lt hardener
  - 1lt thickener

## STANDARD COLOUR AVAILABILITY



## PRODUCT INFORMATION

- **Number of Components:** 3
- **Mixing Volume Ratio:** 3 to 1 Base coat  
3:1:1 Spatter Coat
- **Volume Solids:** 55%
- **Pot Life:** 1.5 hours @ 20°C
- **Film Thickness:** Wet - 90µm  
Dry - 50µm
- **Spreading Rate:** 11m<sup>2</sup> /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

- Base Coat
  - Stir the contents of the 3lt base component. Continue stirring and gradually add the total contents of the activator component. Continue stirring until a uniform mixture is obtained
- Spatter Coat
  - Thickener paste. This must be added to the base before the addition of the activator and thoroughly mixed in using machine stirring

### Application – Equipment & Methods

**Base Coat** – The product is first sprayed as a conventional coat by thinning to spraying viscosity with Speccoats P Thinners. After allowing to dry, apply the spatter structure coat by spraying unthinned using a pressure pot at a very low pressure 0.5bar and about 1.5bar air line pressure. The product is allowed to spatter out of the spray tip at low pressure and cover the surface with 'blobs' of paint. The structure is a textured finish which adheres well to the pre-sprayed base coat. The texture can be increased by adding up to 25% of the thickener past. this must be done before addition of activator

 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"> <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 (no thinning for spatter)

- Thin base coat up to 25% 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
	Minimum	Maximum	
30 minutes at 25°C for 50µm at 65% RH	1 hours at 25°C at 65% RH	24 Hours	8 hours 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 -** 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 09/11/2010**