

# Silicone Acrylic Finishcoat



## DESCRIPTION

Single component solvented, silicone/acrylic, air drying, pigmented finish

## INTENDED USE

A finishing coat that may be used on suitably primed steelwork in chemical plants and at elevated temperatures

## PRODUCT FEATURES

- Provides an off gloss finish with excellent long term durability and heat resistance
- Suitable as a topcoat over inorganic zinc primers for steel structures in chemical plants operating at elevated temperatures
- Based on a combination of durable and light fast silicone and acrylic resins
- Designed for use with surfaces temperatures from ambient to 200°C

## LIMITATIONS

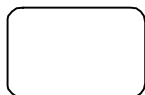
- Optimum properties of the silicone component are only achieved after a period of 1 hour at 100°C
- This product, when cured has a slight sheen appearance – off gloss
- Continued exposure at 200°C will cause a degree of loss of gloss over an extended period of time
- Only a limited range of colours will be fast high temperature exposure. Refer to our technical department for more information & advice

## PACKAGING

- 5lt and 20lt Containers

## STANDARD COLOUR AVAILABILITY

White



## PRODUCT INFORMATION

- **Number of Components:** 1
- **Volume Solids:** 40%
- **Film Thickness:** Wet 74 - 103µm  
Dry 25 - 35µm
- **Spreading Rate:** 16m<sup>2</sup>/lt @ 25µm DFT
- **Temperature Resistance:** Dry 200°C
- **Viscosity:** 65-68 KU @ 25°C

## SURFACE PREPARATION

### Steel Surfaces

- Degrease surfaces with **Speccoats Hydrosolve** followed by a high pressure water rinse
- Grind and fettle weld spatter, protrusions & sharp edges to a minimum radius of 2mm
- Abrasive blast clean to grade SA 2 ½ of ISO 8501-1 with a blast profile 70 - 100µm
- Alternatively mechanically abrade the surface using grinding discs to achieve a similar profile

### Corrosive Environments

- Apply **Speccoats I-Zinc Primer** onto freshly blast cleaned steel (refer to data sheet)



# Silicone Acrylic

## Finishcoat

### APPLICATION

#### Mixing – Two Components

- Stir the contents well with a flat-bottomed paddle or mechanical mixer until product is uniform.

#### Application – Equipment & Methods

Brushes	Suitable on angle iron structures, bridgework, pylons etc. Using the material unthinned
Rollers	Suitable on angle iron structures, bridgework, pylons etc. Using the material unthinned
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

- Not necessary for airless spray
- For conventional spray thin up to 5% with **Speccoats Universal Reducer**

#### Cleaner

- Cleaning is done with **Speccoats Universal Reducer**

### APPLICATION ENVIROMENT

Level	Surface Temperature	Ambient Temperature	Relative Humidity
Minimum	5°C*	5°C	0%
Maximum	45°C	40°C	85%

\*or 3° above the dew point

### DRYING TIME

Touch dry	Over-coating interval		Dry to handle
1 hour @ 25°C	10°C	10 Hours	4 hours @ 25°C
	15°C	8 Hours	
	25°C	4 Hours	
	30°C	2 Hours	

### STORAGE AND HANDLING

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

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

**Flash Point -** 4°C

### 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**