

Pipetank

Flake Glass 1000



DESCRIPTION

Two component, solvented high solids aliphatic amine cured epoxy finish coat containing chemically resistant flake glass

INTENDED USE

A very high solids two component epoxy containing a high percentage of flake glass. This product has excellent corrosion resistance properties

PRODUCT FEATURES

- Can be applied up to a thickness of 1000µm
- Protects steelwork in areas where high abrasion and corrosion resistance are required
- Used in splash zones in marine conditions such as jetties, decks and bridges
- Used in chemical plants, pulp and paper mills. Water treatment plants and mining process plants
- Resistant to a wide range of chemicals
- This product is a top coat system used over a compatible undercoat system: **Speccoats EA900 High Build**

LIMITATIONS

- Maximum film build is best achieved by airless spray, application by conventional spray will require multiple passes to achieve maximum film build
- The high level of glass flake prevents satisfactory application of total film thicknesses of less than 250µm
- The product will not cure below 5°C
- The product will chalk and discolour on extended exposure to sunlight. Overcoat with **Speccoats Finishcoat Polyester Polyurethane** for excellent durability
- The product should only be applied by experienced, well equipped applicators
- Level of sheen and surface finish depend on application method

STANDARD COLOUR AVAILABILITY

Red Oxide



Grey



PRODUCT INFORMATION

- **Number of Components:** 2
- **Mixing Volume Ratio:** 4 to 1
- **Volume Solids:** 86%
- **Pot Life:** 1 hour @ 25°C
- **Film Thickness:** Wet 290-1162µm
Dry 250- 1000µm
- **Spreading Rate/DFT** 0.86 m²/LT@1000um
- **Temperature Resistance:** Dry 80°C
- **VOC** 115g/litre

PACKAGING

- 5lt and 20lt Kits

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 50 - 60µm
- Alternatively mechanically abrade the surface using grinding discs to achieve a similar profile
- This product is a finishing coat usually used over compatible undercoats systems such as **Speccoats EA900 High Build** which requires washing using water based detergent cleaners and light abrasion using Scotchbrite® pads, followed by rinsing with drinking quality water before over coating



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APPLICATION

Conditions for Application

- A minimum surface temperature of 10°C is required for application. Do not apply when the relative humidity exceeds 85% or when the surface to be coated is less than 3°C above the dew Point

Mixing – Two Components

- Stir both components well with a flat bottomed paddle until they are uniform. Always mix a complete unit in the proportions supplied. Agitate the base with a power mixer while pouring the activator into it. Stir until well mixed

Application – Equipment & Methods

Brushes	Apply uniform, even coating with Speccoats applicator sponges 100-200µm can be achieved
Rollers	Apply uniform, even coating with high quality brushes from Speccoats 100-200µm can be achieved
Airless Spray	Pump Ratio - 30 to 1 Min Nozzle Orifice - 17 to 43 Thou Tip Pressure - 180 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

- Conventional - Thin up to 5% with **Speccoats SA65 Thinners**

Cleaner

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

APPLICATION ENVIROMENT

	Surface Temperature	Ambient Temperature	Relative Humidity
Min:	10°C*	10°C	0%
Max:	35°C	40°C	85%
*or 3° above the dew point			

DRYING TIME

Touch dry	Over-coating interval		Dry to handle	Full Cure
	Minimum	Maximum		
3 hours at 25°C for 100µm at 65% RH	16 hours at 25°C at 65% RH	7 days	8 hours at 25°C at 65% RH	7 Days at 25°C

STORAGE AND HANDLING

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

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 01/11/2010**