

# Pipetank EA500



## DESCRIPTION

Two component solvented high build epoxy pigmented coating

## INTENDED USE

A high performance product designed as a higher build chemical resistant protective coating. Formulated as a multicoat finish coating system applied over a suitable high performance primer, offering proven protection in immersion conditions against a wide range of petroleum products and related industrial materials

## PRODUCT FEATURES

- Extensively applied as a lining system for aviation fuel tanks and vessels
- Good resistance to abrasion and mechanical damage
- Excellent adhesion to surfaces primed with **Speccoats Pipetank EA900**
- Good resistance to a wide range of industrial chemicals and solvents
- Approved worldwide for contact with aviation fuel
- Up to 100°C dry temperature resistance
- Normal Specification fuel tank calls for:
  - 1 coat Pipetank EA900 Primer (25µm)
  - 2 coat Pipetank EA500 at 125µm / coat

## LIMITATIONS

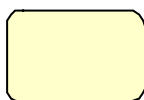
- The product will chalk on the surface when exposed to sunlight

## STANDARD COLOUR AVAILABILITY

Light Grey



Off White



## PRODUCT INFORMATION

- **Number of Components:** 2
- **Mixing Volume Ratio:** 5 to 1
- **Density:** 1.25 kg/litre
- **Volume Solids:** 55%
- **Pot Life:** 12 hours @ 20°C
- **Film Thickness:** Wet - 225µm  
Dry - 125µm
- **Spreading Rate:** 5m<sup>2</sup> /lt @ 125µm DFT
- **Temperature Resistance:** Dry 100°C
- **V.O.C.** 431g/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 70 - 100µm
- Alternatively mechanically abrade the surface using grinding discs to achieve a similar profile
- Within the appropriate time a coat of **Speccoats Pipetank EA900 Primer Red Oxide** should be applied to the specified film thickness
- Before overcoating with **Speccoats Pipetank EA500**, the primed surface should be dry, clean and free of any subsequent contamination
- If the Speccoats Pipetank EA900 Primer has been applied more than two months previously please contact **Speccoats Technical Department** for advice



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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.

### Application – Equipment & Methods

Brushes	Apply uniform, even coating with high quality brushes from Speccoats
Rollers	Apply uniform, even coating with short pile rollers from Speccoats
Airless Spray	Pump Ratio - 30 to 1 Min Nozzle Orifice - 13 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

- Airless Spray – Not Required
- Conventional Spray – Thin up to 10% with **Speccoats SA65 Thinners**

### Cleaner

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

## APPLICATION ENVIROMENT

	Surface Temperature	Ambient Temperature	Relative Humidity
Min:	10°C	7°C	No lower limit
Max:	40°C	45°C	90%

## DRYING TIME

Touch dry	Over-coating interval		Dry to handle	Full Cure
	Minimum	Maximum		
4 hour at 20°C for 125µm at 65% RH	16 hours at 20°C at 65% RH	4 Days	16 hours at 20°C at 65% RH	7 Days

## 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

## 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 06/10/2010**