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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

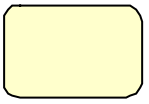
LIMITATIONS

- 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^2/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	• Air Assisted Airless • Pressure Pot - Pressure Feed Gun • Gravity Feed Gun • Various Nozzle sets are available to suit the guns

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