

Pipetank EA MIO Z/P

Primer / Intercoat



DESCRIPTION

Two component solvented high solids epoxy primer, cured with a polyamide, pigmented with lamellar micaceous iron oxide (MIO), selected filler and zinc phosphate anti-corrosive pigment

INTENDED USE

A highly effective primer/Intercoat applied directly onto abrasive blast cleaned steel substrates for anti-corrosive paint system. The lamellar MIO flakes provide excellent resistance to water permeation to the metal substrate. The resulting finish is slightly rough, providing a good key for subsequent coats

PRODUCT FEATURES

- Contains corrosion inhibiting zinc phosphate pigment
- Short recoat time for fast turnaround
- Provides good adhesion to metal substrates and primer systems
- Good chemical resistance and corrosion resistance
- Fast curing time and can be used in low temperature conditions
- Based on a curing system that cures down to 4°C and does not require any induction time after mixing, produces a hard coating with very good solvent and corrosion resistance
- The micaceous iron oxide (MIO) pigment particles are lamellar (like fish scales) in nature and these align themselves parallel to the substrate, overlapping and many layers deep. This effectively hinders the access of water and ions across the film as well as enhancing abrasion and erosion resistance
- The flaky nature of the pigment provides a shielding affect against UV radiation and aggressive weathering effects

LIMITATIONS

- Not recommended for immersion or exposure to strong acids and alkalis
- Drying time increases with higher DFT'S
- Colours may tend to discolour when exposed to direct sunlight
- A minimum of 75µm must be applied

STANDARD COLOUR AVAILABILITY

Red Oxide



Metallic Grey



PRODUCT INFORMATION

- **Number of Components:** 2
- **Mixing Volume Ratio:** 3.5 to 1
- **Volume Solids:** 50%
- **Pot Life:** 2 hours @ 25°C
- **Film Thickness:** Wet - 150-200µm
Dry - 75-100µm
- **Spreading Rate:** 5m² /lt @ 100µm DFT
- **Temperature Resistance:** Dry 100°C

PACKAGING

- 4lt 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

Painted Surfaces

- Degrease surfaces with **Speccoats Hydrosolve** followed by a high pressure water rinse
- Abrade lightly with aluminium oxide paper/water paper 200 grit to bright metallic finish
- All surface must be dry and clean

Chemical Cleaning

- use an approved chemical conversion process which produces a rust free clean surface, dry and free from oil, grease or other contaminants



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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.
- It is recommended that an agitator be used to keep the MIO in suspension

Application – Equipment & Methods

 Airless Spray	Pump Ratio - 30 to 1 Min Nozzle Orifice - 19 to 21 Thou Tip Pressure - 145 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

- 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:	5°C*	10°C	0%
Max:	45°C	45°C	85%
*or 3° above the dew point			

DRYING TIME

Touch dry	Over-coating interval		Dry to handle
	°C	hours	
2 hours at 25°C for 100µm DFT at 65% RH	10	9	6 hours at 25°C at 65% RH
	15	8	
	25	6	
	30	4	

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 - 6°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 12/10/2010**