

Pipetank 2300



DESCRIPTION

Two component solvented Polyamide cured epoxy pigmented coating

INTENDED USE

A high performance multi-layer coating & lining for steel pipelines & tanks in immersion in Potable Water. Used as a coating over correctly prepared concrete surfaces, for the corrosion protection of valves, gates, screw pumps, hydroelectric installations, cooling water ducts as well as many applications in the mining industry such as lining thickener tanks, rake arms etc.

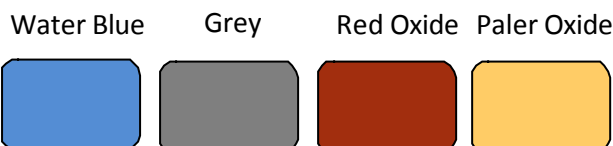
PRODUCT FEATURES

- Applied directly onto abrasive blast cleaned steel and built up in multiple coats to thickness of 270-350µm and is self priming
- This system has been used extensively for water pipelines in Southern Africa since 1973
- Expected service life in excess of 20 years
- Excellent adhesion, permeation resistance and corrosion protection
- Good flexibility and water resistance
- Good resistance to exterior exposure
- immersion temperature resistance up to 80°C
- Conforms to SANS 1217 Type 1A drinking water requirement

LIMITATIONS

- The product will chalk on the surface when exposed to sunlight
- Not resistant to strong acids and alkalis
- Dry film thickness of 450µm must not be exceeded for immersion conditions
- **Product requires induction time after mixing**

STANDARD COLOUR AVAILABILITY



PRODUCT INFORMATION

- **Number of Components:** 2
- **Mixing Volume Ratio:** 3 to 1
- **Density:** 1.32 kg/litre
- **Volume Solids:** 60%
- **Pot Life:** 8 hours @ 20°C
- **Film Thickness:** Wet - 150µm
Dry - 90µm
- **Spreading Rate:** 7m² /lt @ 90µm DFT
- **Temperature Resistance:** Dry 70°C
Immersion 80°C
- **Induction Time:** 20 minutes after mix
- **V.O.C.:** 427 gm / Litre

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 50 - 60µm
- Alternatively mechanically abrade the surface using grinding discs to achieve a similar profile
- If any oxidation occurs before painting, the surface must be re-blast cleaned

Concrete Surfaces

- Dirt, oil & grease must be removed
- All laitance must be removed using Speccoats Concrete Etch & Neutralizer or by high pressure water blasting
- Fill all omegas and holes with approved underwater grade epoxy fillers, **Speccoats Scrapper Coat or Patching Compound**



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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. Stir again immediately prior to use.

Application – Equipment & Methods

Important: Allow the mixed components a 20-minute induction time before use. Stir again immediately prior to use.

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"> 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 ENVIRONMENT

	Surface Temperature	Ambient Temperature	Relative Humidity
Min:	10°C	9°C	No lower limit
Max:	40°C	45°C	85%

DRYING TIME

Touch dry	Over-coating interval		Dry to handle	Full Cure
4 hours at 25°C for 125µm at 65% RH	Minimum	Maximum	16 hours at 25°C at 65% RH	Determined by MEK solvent rub resistance test
	16 hours at 25°C at 65% RH	3 Days		

STORAGE AND HANDLING

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

Flash Point - 18°C

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 30/09/2010**