

Pipetank 162 PW

Hotcoat (SANS 1217)



DESCRIPTION

Two component solventless epoxy coating

INTENDED USE

A high performance solventless epoxy formulation used as a high quality lining for steel and concrete pipes and vessels. Suitable for contact with drinking water, these linings provide long-term corrosion protection to steel and concrete surfaces in immersion conditions

PRODUCT FEATURES

- Designed for application by plural component hot airless spray equipment
- Can be applied 1000µm thick in one application without sagging
- Highly water resistant properties
- Performs well in factory production conditions
- High gloss, hard cured surface produces low friction conditions for pipe internals
- Can be applied by brush on small areas such as pipe ends
- Excellent air release ensures minimum pinholes
- Excellent long term corrosion resistance under immersion conditions (typical Specification 300 - 500µm)
- Used as a high quality linings lining for tanks and pipes, applied directly onto suitably prepared steel surfaces in single or multi coat applications
- Excellent adhesion to correctly prepared surfaces
- Conforms to SANS 1217 Type 1B Drinking water requirement
- Excellent erosion resistance when conveying slurries
- Pigmented activator ensures mixing control

LIMITATIONS

- The product cannot be applied to underwater surfaces while under Cathodic Protection.

STANDARD COLOUR AVAILABILITY

Water Blue



Grey



PRODUCT INFORMATION

- Number of Components: 2
- Mixing Volume Ratio: 2 to 1
- Density: 1.65 kg/litre
- Volume Solids: 100%
- Pot Life: 45mins @ 20°C
- Film Thickness: Wet 500µm
Dry 500µm
- Spreading Rate: 2m² /lt @ 500µm DFT
- Temperature Resistance:

Wet/ Immersion	65°C
Dry Continuous	85°C
Intermittent temperature resistance for field joint welds and repairs	105°C
- V.O.C.: Nil

PACKAGING

- 200ml Squish Pack, 4.5Lt 60Lt & 600Lt
- 100ml, 300ml & 900ml Cartridges

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

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 & activator components 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

Sponge	Apply uniform, even coating with Speccoats applicator sponges
Brushes	Apply uniform, even coating with high quality brushes from Speccoats
Rollers	Apply uniform, even coating with short pile rollers from Speccoats
Pistol Component Hot Airless	Nozzle Orifice - 17 to 23 Thou Tip Pressure - 250 Bar Min
Airless Spray	Pump Ratio - 40 to 1 Nozzle Orifice - 17 to 23 Thou Tip Pressure - 250 Bar Min
Cartridge System	HSS Air Gun - up to 900ml HSS Quad 3000 - up to 2250ml

Thinning

- Do NOT add thinners to this product

Cleaner

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

APPLICATION ENVIROMENT

	Surface Temperature	Ambient Temperature	Relative Humidity
Min:	10°C*	10°C	No lower limit
Max:	30°C	45°C	85%
* or 3°C above the dew point			

DRYING TIME

Touch dry	Over-coating interval		Dry to handle	Full Cure
	Minimum	Maximum		
6 hours at 25°C for 250µm	8 hours at 25°C	24 hours	16 hours at 25°C	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 - N/A

Shelf Life - Minimum 1 year when packed in original containers

HEALTH AND SAFETY

- 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 16/11/2010**