

Pipetank 165

Hotcoat



DESCRIPTION

Two component solventless polyurethane coating consisting of a base polyol component and a highly reactive isocyanate activator

INTENDED USE

A high performance solventless high build polyurethane coating for use in extreme immersion and buried conditions. Used as an abrasion resistant pipelining for backfill, slurry or raw water with abrasive particles or as a rugged exterior coating for buried pipes. Also used for lining and coating tanks. Applied using plural component hot airless spray equipment

PRODUCT FEATURES

- Designed for application by plural component hot airless spray equipment
- Can be applied 500 - 2000µm thick
- Fast application designed for factory conditions
- Resistant to permeability, corrosion, chemicals and abrasion
- Good impact resistance
- Withstands backfill abuse in pipeline trenches
- Resistant to Cathodic Disbondment and buried conditions
- Suitable for sweater, sewage and raw water, chemically polluted water and mining conditions
- Can be applied to steel and concrete surfaces
- Typical specification dry film thickness 1mm

LIMITATIONS

- The product will chalk on the surface when exposed to sunlight for prolonged periods of time

STANDARD COLOUR AVAILABILITY

RAL 7004 Signal Grey



PRODUCT INFORMATION

- **Number of Components:** 2
- **Mixing Volume Ratio:** 3 to 1
- **Density:** 1.2 kg/litre
- **Volume Solids:** 100%
- **Pot Life:** 2-3mins @ 35-40°C
- **Film Thickness:** Wet - 1mm
Dry - 1mm
- **Spreading Rate:** 1m² /lt @ 1mm DFT
- **Temperature Resistance:** Dry 80°C
- **V.O.C.:** Nil

PACKAGING

- 60lt and 600lt kits
- 400ml, 800ml & 1000ml 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 70-100µm
- 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.
- Preheat the material to 50°C

Application – Equipment & Methods

 Plural Component Hot Airless	Nozzle Orifice - 17 to 25 Thou Tip Pressure - 250 Bar Min
 Cartridge System	HSS Air Gun - up to 1000ml HSS Quad 3000 - up to 2000ml

Thinning

- Do NOT add thinners to this product

Cleaner & Flushing Solvent

- Cleaning is done with **Speccoats MC Solvent** (flush out 2-3 litres of mixture before resuming spraying as not to contaminate the next mix)

APPLICATION ENVIROMENT

	Surface Temperature	Ambient Temperature	Relative Humidity
Min:	5°C*	10°C	No lower limit
Max:	40°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		
2 hours	2 hours	24 hours	4 hours	7 days

STORAGE AND HANDLING

Storage - Store at temperatures between 20°C and 30°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 29/09/2010**