

# Pipetank 175



## DESCRIPTION

Two component solventless phenolic epoxy, cured with a modified amine forming a hard, tough, tightly adherent coating resistant to mineral acids and solvents

## INTENDED USE

A high performance solventless phenolic resin/activator blend, which has been fully tested under laboratory and site conditions to a wide range of acidic and chemical conditions, Applications include the lining of concrete or steel tanks, bund walls, culverts, interior of pipes and floors which come into contact with any of the above chemicals

## PRODUCT FEATURES

- Resistance to the following at 20°C
  - 98% sulphuric acid, 36% Hydrochloric Acid, 75% Phosphoric Acid, 30% Nitric Acid, Sodium – Hypochlorite (12-14% available chlorine), 25% ammonia, Toluene, Non-Leaded Petrol, Sodium Hydroxide (all concentrations)
- Excellent resistance to abrasion and mechanical damage
- Excellent adhesion on correctly prepared surfaces
- Excellent erosion resistance in immersion in aqueous slurries
- Recommended as a protective lining against a wide range of chemical immersion conditions
- Up to 90°C chemical immersion temperature resistance

## LIMITATIONS

- The product will discolour when exposed to sunlight, if lasting colour is required over coat with **Speccoats Finishcoat Polyurethane Polyester**
- Due to rapid cross-linking the over coating times must be strictly observed

## STANDARD COLOUR AVAILABILITY

Light Grey



Dark Grey



## PRODUCT INFORMATION

- **Number of Components:** 2
- **Mixing Volume Ratio:** 2 to 1
- **Density:** 1.15 kg/litre
- **Volume Solids:** 100%
- **Pot Life:** 30mins @ 20°C
- **Film Thickness:** Wet - 300µm  
Dry - 300µm
- **Spreading Rate:** 4m<sup>2</sup> /lt @ 300µm DFT
- **Temperature Resistance:** Dry 85°C  
Immersion 90°C
- **V.O.C.:** Nil

## PACKAGING

- 4Lt & 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

### Concrete Surfaces

- All laitance must be removed using Speccoats Concrete Etch & Neutralizer or by high pressure water blasting or dry abrasive blasting
- Fill all omegas and holes with approved underwater grade epoxy fillers, **Speccoats Scrapper Coat or Patching Compound**
- Surfaces should then be sealed with **Speccoats Damp Prime or Pipetank Cureseal**



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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

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 Temperature - 50-60°C
Airless Spray	Pump Ratio - 40 to 1 Nozzle Orifice - 17 to 23 Thou Tip Pressure - 250 Bar Min

### Thinning

- Do NOT add thinners to this product

### Cleaner

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

## APPLICATION ENVIRONMENT

	Surface Temperature	Ambient Temperature	Relative Humidity
Min:	10°C*	15°C	No lower limit
Max:	35°C	40°C	85%
*or 3° above the dew point			

## DRYING TIME

Touch dry	Over-coating interval		Dry to handle	Full Cure
	Minimum	Maximum		
5 hours at 25°C for 250µm	5 hours at 25°C	24 hours	24 hours at 25°C	7 days at 25°C

## 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 01/10/2010**