

Pipetank Cureseal

SANS 241-1217 Drinking Water Approval Certified



DESCRIPTION

Three component water based amine cured epoxy pigmented primer & sealer

INTENDED USE

A high performance three part penetrating primer/sealer that can be applied to green concrete and cement surfaces. Unlike traditional sealers this product does not need to be removed before further treatment. Used as a primer/sealer for green concrete, a primer for new or existing concrete or as a concrete curing membrane

PRODUCT FEATURES

- Excellent adhesion to green concrete
- Suitable for use with drinking water
- Fast drying time
- Quick return to service
- Zero VOC – operator friendly
- Can be brushed, rolled or sprayed
- Low viscosity formulation allows excellent penetration of concrete substrates
- Good through curing – strengthens top surface of screed
- Meets ASTM 309 requirement for use as a concrete curing compound
- Easy clean up
- Excellent sealer for machine abraded floors
- Excellent adhesion to substrate & subsequent coats
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LIMITATIONS

- Cannot be used beyond the prescribed pot life (end point not visible)

STANDARD COLOUR AVAILABILITY

Pale Blue



PRODUCT INFORMATION

- **Number of Components:** 3
 - **Mixing Ratio:** Volume Mass

Base	0.236 litres	0.244 kg
Activator	0.264 litres	0.293 kg
Diluent	0.500 litres	0.500 kg
 - **Volume Solids:** 37%
 - **Pot Life:** 1.25 hours @ 20°C
 - **DO NOT USE AFTER POTLIFE HAS EXPIRED**
 - **Film Thickness:**

Wet	- 45µm
Dry	- 25 µm
 - **Spreading Rate Theoretical:** 14.8m² / Lt @ 25µm DFT* or 68 µm WFT
 - **Spreading Rate Practical:** 10.4m² / Lt @ 25µm DFT* or 68 µm WFT
- *Recommended thickness to pass the concrete curing compound test (ASTM C 156-98)
- **Temperature Resistance:** Dry 80°C
 - **V.O.C.:** Nil

PACKAGING

- Base & Activator components* – 4 litre and 20 litre units packed in 5 litre and 20 litre plastic containers respectively and with the activator packs supplied separately.
- Note: The base is supplied as a small quantity in the biggest container to allow addition of the activator using a mechanical stirrer and then the subsequent mixing in of the diluent to make up the final quantities of 4 and 20 litres respectively

* To be diluted 50% with drinking water

Control of Personnel during Coating

- Material mixing operations must be controlled by qualified staff, using reliable mixing equipment.
- It is advisable to have material stock in excess of the calculated requirements.
- After completion of the application, the surface should be protected from abrasion and contamination for the full curing period



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Datasheet

SURFACE PREPARATION

- Newly cast cement must be hard enough to access without causing damage
- The surface should be visibly dry i.e. no wet patches or pooled water
- The surface shall be free of any loose, friable material or contamination (oil, grease, dirty footprints etc).

APPLICATION

Mixing – Three Components

- Mix in the quantities supplied to make up to either 4 litres or 20 litres of final mix
- Stir the base using a suitable mechanical stirrer until homogeneous and then add activator while stirring. Stir in activator for 5 minutes under strong agitation to achieve emulsification of the epoxy resin component (base resin). This is the consistency and colour of cream
- Then add the Diluent in **4 equal additions**, allowing the last addition to be fully incorporated before adding the next addition
- Finally stir for a further 2 minutes to ensure a homogenous mix.
- Note: Clean drinking water can be used as the Diluent. Regional variations in water quality can affect the quality of the final mix. If in doubt contact Speccoats Technical Service Department

Application – Equipment & Methods

Brushes	Apply uniform, even coating with Speccoats applicator sponges
Rollers	Apply uniform, even coating with high quality brushes from Speccoats
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
Airless Spray	Pump Ratio - 30 to 1 Min Nozzle Orifice - 11 to 15 Thou Tip Pressure - 120 Bar Min

Thinning - Not Recommended

Cleaner

- After coalescing into a film, cleaning is done with **Speccoats SA65 Thinners**
- Water** may be used on liquid material

APPLICATION ENVIRONMENT

	Surface Temperature	Ambient Temperature	Relative Humidity
Min:	10°C*	7°C	0%
Max:	30°C	45°C	85%
*or 3° above the dew point			

DRYING TIME

Touch dry	Over-coating interval		Suitable for light use	Full Cure
	°C	hours		
2 hours @ 25°C at 65% RH	10	36	5 hours @ 25°C at 65% RH	7 days @ 25°C at 65% RH
	15	24		
	25	16		
	30	8		

STORAGE AND HANDLING

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

Flash Point - Not Flammable

HEALTH AND SAFETY

- 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 11/05/2011**