



SEALOCRETE PLA LTD Greenfield Lane
Rochdale OL11 2LD Tel: 01706 352255, Fax 01706 860880

CI/SfB

Vv5

TECHNICAL DATA SHEET TDS227
PUBLISHED FEBRUARY 2005

WETCOTE

DESCRIPTION

WETCOTE is a general purpose two pack, water based epoxy resin coating. It can be successfully applied to damp and most previously painted surfaces. Mixing and application equipment can be conveniently cleaned with water after use.

USES

WETCOTE is designed to waterproof, protect and seal floors and walls in general building and maintenance situations. It can be applied to cementitious, masonry, stone, and most other building materials and will resist a wide range of dilute chemicals whilst providing a decorative appearance. Typical applications include:

Hygienic wall and floor coating.

Bonding polymer screeds and new to old concrete.

High performance primer for damp substrates.

As a swimming pool coating.

ADVANTAGES

- * EASY TO USE – Equipment can be cleaned in water.
- * MOISTURE TOLERANT – Can be applied to damp substrates.
- * VAPOUR PERMEABLE – Will allow slow passage of moisture (max 3 coats) but not liquid water.
- * POTABLE – Suitable for use with potable water.
- * ADAPTABLE – can be used for floors and walls

TECHNICAL DATA

Colours:	Grey, Blue, White and Clear <i>(Non standard colours on request)</i>
Mixed Density:	1550kg/m ³
Application Thickness:	125 micron Max WFT 60 micron DFT
Recommended Application Temperature (DO NOT APPLY BELOW 4°C)	+10 to +25°C
Service Temperature:	-30 to +55°C
Pot Life in Bulk at 20°C:	20 minutes
Open Work Time at 20°C:	90 - 120 minutes
Initial Cure:	4 - 6 hours at 20°C
Light Trafficking:	24 hours at 20°C
Full Cure:	7 days at 20°C
Tensile Bond Strength: New to Old Concrete	Unprimed - NIL With WETCOTE - 2.1N/mm ²
Carbon Dioxide Air Diffusion Equivalent:	Approx. 300m per 2 coats
Fire Resistance: BS476 Pt 7	Class 1 Surface Spread of Flame
Decontamination Class BS4247 Pt 1	Good

COVERAGE

Typical coverage is 8m² per litre per coat at nominal 125 micron wet film thickness.

PACKAGING

WETCOTE is available in 5 litre two component packs, consisting of resin (A) and hardener (B)

METHOD OF USE

Surface Preparation

Correct assessment and appropriate surface preparation is ESSENTIAL for optimum finish and durability.

Concrete/Cementitious Substrates:

All substrates should be sound and free from laitance, dust, dirt, grease, fats, and any loose material. Ideally previous coatings should be removed by an appropriate mechanical method such as grit blasting or planing, but the product will adhere to sound paint that has been abraded to provide a key. Surfaces may be damp, but there should not be any actively percolating water.

WETCOTE can be applied to fresh concrete provided standard curing practices have been carried out leaving no laitance or other contamination.

MIXING and APPLICATION

For best results the temperature during application and cure should be between 10°C and 25°C. Low temperatures retard cure and can affect the final finish.

Pour all the contents of the two materials located in the plastic bucket, into the bucket and mix thoroughly. Immediately stir clean water into the mixed resin IN STAGES until the bucket is full to within 40 mm of the top. Do not allow any time to elapse before adding the water. The completely mixed material should be used without delay. The water used must be clean and at a temperature between 10°C and 20°C. Do not use warm water as this will shorten the pot life. When using several packs of the same colour ensure batch numbers are the same and mixing, standing and brushing out times are consistent from pack to pack.

WETCOTE may be applied by brush, roller or airless spray. Two coats are generally required. The second coat should be applied once the first is tack free – approximately 4 hours at 20°C. To ensure good inter-coat adhesion the

second coat should be applied within 48 hours. When using WETCOTE CLEAR, apply in thin coatings to fairfaced concrete surfaces only. WETCOTE will yellow with age when exposed to UV light.

If airless spray is adopted the spray specification is : orifice size – 0.015"; tip angle - 65°. Additional water may be required – 20% maximum.

DO NOT APPLY WETCOTE IN THE FOLLOWING SITUATIONS.

To surfaces weaker than WETCOTE.

To glazed tiles, quarry tiles, similar glazed surfaces, metal or other very non porous surfaces.

To water retaining structures that have been coated previously.

If condensation is likely to occur before the film is tack free, or in conditions of high humidity.

Where a stabilising solution has been applied. If the surface is very porous apply either a coat of FLORSEAL or a priming coat of WETCOTE CLEAR (as per normal) diluted 1 : 1 with water. When this priming coat is touch dry and has lost its milky appearance, apply the first coat of the required colour.

Over expansion or contraction joints.

At temperatures below 4°C or when the temperature is likely to fall below this during the first 6 hours of curing.

OTHER SPECIAL INSTRUCTIONS

If WETCOTE is to be used to coat tanks containing potable water or livestock, at least two rinses with fresh clean water should be carried out after full cure has taken place and before the tank is put into use.

Certain waterproofed concrete and cement rendered surfaces are difficult to overcoat and a trial area is recommended.

WETCOTE should not be subjected to steam cleaning.

Bonding Old to New Concrete.

The substrate should be scabbled before applications. Mix the product in the normal way

and prime by scrubbing it into the substrate at the usual coverage rate (do not spray). Whilst still tacky, apply the fresh concrete and allow to cure. Do not prime an area larger than can be completed in about 45 minutes. Follow the same procedure for bonding polymer modified and granolithic screeds.

Application as a Joint Primer on Asphalt Surfaces.

Apply one coat of WETCOTE. Allow to dry for at least 12 hours, then follow with P J SEALANT.

CLEANING OF TOOLS

Tools can generally be rinsed off easily with water provided they have not been allowed to dry out. However, after prolonged use it may be necessary to use THINNERS No. 3

STORAGE

WETCOTE should be stored in cool dry conditions, away from frost, moisture and direct sunlight. When stored in original, unopened containers in these conditions this product will have a shelf life of 12 months.

HANDLING

WETCOTE contains liquid epoxy resin, a polyamine compound and solvents. Suitable protective equipment should be worn when handling this product. Please refer to the relevant Health and Safety Data Sheet for further information.

We endeavour to ensure that any advice, recommendation or information we may give in product literature is accurate and correct. However, we have no control over the circumstances in which our product is used and it is therefore important that the end user satisfy himself by prior testing that the product is suitable for his specific application and that the actual conditions of use are suitable. Accordingly, no responsibility can be accepted, or any warranty given by ourselves, our representatives, agents or distributors, other than that the product as supplied by us will meet our written specification. Products are sold subject to our standard conditions of sale and each purchaser and end user should at all times ensure that he has consulted our latest product instructions and safety information.

