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TECHNICAL DATA SHEET TDS056
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SEALOCOTE

DESCRIPTION

SEALOCOTE is a two-part, high build, solvent free, water emulsified epoxy resin based coating for floors and walls.

USES

SEALOCOTE provides a hardwearing, easily cleaned, chemical resistant coating for floors and walls, suitable for a wide range of industrial and commercial applications. Sealocote can also be used as cleanable coating for water tanks.

ADVANTAGES

- * **HIGHER BUILD**
Improved level of protection and durability over other water-based systems.
- * **HYGIENIC**
Completely sealed easy to clean semi-gloss finish.
- * **LOW ODOUR**
Suitable for use in food processing areas.
- * **VERSATILE**
Can be used up walls and coves, and can be used with SEALOCRETE NON-SLIP AGGREGATE to provide slip resistant surfaces.
- * **DECORATIVE**
Available in wide range of colours.

PACKAGING

SEALOCOTE is available in 5 and 15 litre, two component packs.

COVERAGE

Typically 8m²/litre per coat: at 125 microns wet film thickness. Normally a 2 coat application is required.

TECHNICAL DATA

Mixed Density:	1300kg/m ³
Colours:	Grey others colours available subject to order quantity.
Open work time:	60 minutes at 20°C
Max overcoat time:	24 hours at 20°C
Recommended Application Temperature: (do not apply below 4°C).	+10 to +25°C
Service Temperature:	-20 to +50°C
Traffic times at 20°C:	24 hours for light traffic 7 days for full chemical resistance
Bond Strength:	Greater than the cohesive strength of concrete.

Coverage is based on practical application by roller onto a smooth surface in optimum conditions. Factors such as surface porosity, temperature, humidity, application method and finish required, can significantly reduce coverage and should be allowed for when estimating.

Chemical Resistance:

Tests show that SEALOCOTE provides good resistance to a range of common industrial chemicals. The Table shows the effects on the coating of immersion in various chemicals for periods up to 14 days. All specimens were fully immersed for the duration of the test.

Tests were carried out under controlled laboratory conditions and are for guidance only. For details regarding resistance to chemicals other than those listed contact the Technical Services Department.

NB: In all cases of chemical spillage, it is essential that the spillage is removed as quickly as possible and the surface washed down with water.

Chemical Resistance Test Results

	24 hrs	48 hrs	7 days	14 days
Hydrochloric Acid 10%	U	U	LA	LA
Nitric Acid 10%	U	U	LA	LA
Sulphuric Acid 10%	U	U	LA	LA
Lactic Acid 5%	U	LA	A	A
Caustic Soda 30%	U	U	U	U
Bleach 5%	U	U	U	U
Brine	U	U	U	U
Sugar	U	U	U	LA
Detergents	U	U	U	U
Hydraulic Fluids	U	U	U	LA
Alcohols	U	U	U	U
Linseed Oil	U	U	U	U
Methyl Ethyl Ketone	U	U	U	U
Xylene	U	U	U	U
Water	U	U	U	U
Petrol and Jet Fuels	U	U	U	U

Key: U Unaffected LA Lightly Attacked
A Attacked

Keep water and chemicals off the surface before SEALOCOTE has cured fully (7 days @ 20°C).

METHOD OF USE

SURFACE

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

Concrete/Cementitious Substrates:

All substrates should be dry (maximum 5% constant moisture content) with an intact DPM. All traces of laitance, dust, dirt, grease, fats, curing membranes, previous coatings etc, must be removed by an appropriate mechanical method. Vacuum controlled blasting is recommended. This is essential for power floated concrete.

Metal Substrates:

Metal surfaces should be grit blasted to SA21/2 standard to remove rust, loose scale and foreign matter. The prepared surface should then be coated

with one coat of a good quality 2 pack etch primer for maximum adhesion.

Contact Sealocrete Technical Department for advice on alternative methods of preparation and where other surfaces are involved.

MIXING

All mixing must be carried out mechanically using a slow speed drill and suitable paddle for pack size. Mix for at least 4 minutes, scraping down sides occasionally to ensure complete mixing. Do not hand mix. Suitable paddles are available from Sealocrete.

APPLICATION

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

Apply by brush, short pile roller (not foam) or squeegee ensuring surfaces are fully covered. Avoid pinholing by applying second coat at right angles to first. Second coat should be applied within 24 hours of first (tack free time 3 hours at 20°C). Pay particular attention to edge and joint details. When using several packs of the same colour, ensure batch numbers and mixing, standing and brush out time are consistent from pack to pack. Good air movement is essential to ensure correct curing of the coating, otherwise an uneven appearance could result.

NOTES

SPECIAL INSTRUCTIONS

DO NOT APPLY SEALOCOTE IN THE FOLLOWING SITUATIONS.

- 1 In conditions of very high humidity or if condensation is likely to occur before the film is tack free.
- 2 Where there is actively percolating water.
- 3 Where rain or other water may come into contact with the surface before Sealocote has fully cured.
- 4 On surfaces which are to be steam cleaned.

Thinning:

SEALOCOTE may be thinned with water for spraying. This will however, reduce film build and is not generally recommended.

Anti Slip Finishes:

Use Sealocrete Non-Slip Aggregate either COARSE or FINE GRADE. Sprinkle evenly onto first coat whilst still wet. Allow to initially cure, then brush off excess aggregate. Coverage of NON-SLIP AGGREGATE can be varied to suit requirements (ie. light, medium or heavy texture). Completely seal surface with second coat. (NB: Coverage will reduce considerably).

Joints:

Expansion and movement joints must be carried through coating. Coat up to but not over, joint sealant.

Semi-Gloss Finish:

The finish may be inconsistent where substrate porosity is variable. Highly porous surfaces may require additional coats. For best effect, ensure prepared surface is even and free of irregularities. Large cracks or irregularities can be repaired with EPOXYPATCH GP (see separate data sheet).

Vertical Applications

Avoid heavy coat applications to prevent sagging. Application by brush is recommended on vertical detailing such as coving.

CLEANING OF TOOLS

Immediately after use all tools, mixing equipment and rollers should be cleaned with water. If partial cure has taken place, use THINNERS NO. 3.

STORAGE

SEALOCOTE must be kept in cool, dry conditions away from frost and direct sunlight. This product will have a shelf life of 12 months if stored in these conditions in original unopened containers.

HEALTH & SAFETY

SEALOCOTE contains liquid epoxy resin and a polyamine compound. Please refer to the Health & Safety Data Sheet for detailed information on the handling of this product.

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.

