

Safe-T-Epoxy is a roller applied, traction enhancing epoxy resin coating suitable for use in heavy wear areas.

Composition and Appearance

Safe-T-Epoxy is a solvent free dispersion of epoxy resin incorporating fine aggregate that cures to a textured, matt to low sheen finish.

Official Slip Test

Ceram Research recently tested this product using the Tortus Floor Friction Tester. Using a variety of rubber and leather materials the Tortus Tester measured slip resistance under wet and dry conditions. The results exceeded the recognised 'Very Good' safety standard level by 25%.

Availability

Available in seven colours in 5 litre units.

Coverage

Approximately 30m² per 5 litres for one coat. Two roller applied coats are normally required. Brush application is suitable at edges but will not be as effective for general application and will also result in reduced coverage.

Chemical Resistance

Safe-T-Epoxy has good resistance to short term spillages of the following at 20°C. Petrol, Diesel Fuel, Xylene, Methylated Spirits, White Spirit, Bleach, 20% Ammonia, Anti-freeze, Oil, Mineral Hydraulic Oil, 5% Citric Acid, 20% Caustic Soda, Sugar Solutions and Detergents.

Storage

The product must be stored for at least eight hours prior to use at a temperature range of 15°C minimum to 25°C maximum. Avoid extremes of temperature.
DO NOT ALLOW THE PRODUCT TO FREEZE.

Surface Preparation

Concrete to be treated must be at least four weeks old and free of surface laitance (a weak dusty layer that can form on new concrete) and contaminants. All traces of grease or oil should be removed with Solvent Free Degreaser and the area thoroughly hosed off and allowed to dry. Very smooth concrete should be etched with Cement Cleaner/Etchant, to ensure adequate adhesion and even film thickness. Surfaces previously treated with chemical hardeners and/ or where surface laitance is present, should be etched with Cement Cleaner/Etchant. The concrete should be thoroughly hosed down and allowed to dry after treatment with Cement Cleaner/ Etchant. Previous coatings should preferably be removed. If this is not possible they should be abraded to create a key and to remove any poorly bonded material.

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Dual Packs

Separate the two tins by aligning the side seams and pulling apart.

Mixing

The contents of both tins should be thoroughly stirred using a wide bladed tool. Empty the smaller Resin tin into the larger Activator tin.

It is very important that all the contents of the Resin tin, including any settlement, are decanted and thoroughly mixed with the Activator until an even colour is obtained.

Pot Life

Approximately 1 hour at 15°C-20°C. Higher temperatures will reduce the pot life.

Masking

Mask with newspaper any areas which may otherwise become flecked with resin/aggregate during roller application of the product.

Application

One coat of Safe-T-Epoxy on most surfaces will act as a priming/sealing coat. The second coat should be applied as soon as the first coat is dry (approximately 16 hours at 20°C). Best results are obtained in warm, dry conditions with a good through draught. Apply

Safe-T-Epoxy by simulated sheepskin roller. Do not exceed the maximum coverage of 30m² per 5 litres per coat.

The temperature at floor level during application and cure must be at least 15°C, preferably higher. Occasional stirring of the product will ensure a more even distribution of the aggregate.

Important

Do not apply in temperatures of less than 15°C. In exceptional temperature conditions advice should be obtained.

Curing

The product will normally cure overnight (at 20°C) to accept light foot traffic next day. The curing time will be extended by low temperatures.

Temperatures of 10°C and below will arrest the curing of the product.

Full chemical resistance is achieved over seven days (at a minimum constant temperature of 15°C). Avoid washing the surface for seven days.

Cleaning of Applicators

Rollers should be cleaned with soapy water before the product has cured. Where large areas are being coated, care should be taken to ensure that there is no build up of partly cured material on the roller.

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Safety

All product labels provide general safety information. Material Safety Data Sheets are available. Food products must be removed from the area during application and cure.

Maintenance

Remove dirt with a soft broom or light scrubbing machine using detergents if necessary. In areas of heavier contamination where it is impractical to use copious amounts of water to flush the surface a wet vacuum may be used to remove contaminated water from the lightly textured surface. Do not steam clean or subject to temperatures in excess of 60°C.

Solvent Free Degreaser

For preparatory degreasing. An emulsifying super penetrating degreasant that removes oil and grease from concrete. Coverage approximately 9m² per 5 litres.

Cement Cleaner/Etchant

Preparatory etchant for use where

- (a) the concrete is very smooth
- (b) where laitance is present, or
- (c) where chemical hardeners have been used.

Coverage 20m² per 5 litres maximum.

All products are sold subject to the Company's Standard Conditions of Sale.

The Company and its representatives are often asked to comment on potential uses of products which differ from those described in the Company's data sheets. Whilst in such cases the Company and its representatives will always try to offer helpful and constructive advice, the Company cannot be held responsible for the results of such uses unless they are specifically confirmed in writing by the Company.

All information is based on results gained from experience and testing and is believed to be accurate, but it is given without acceptance of liability for loss or damage attributable to reliance thereon as conditions of use lie outside our control.