

EPOXACOTE FC EPOXY FLOOR COATING

TDS: EPOXACOTE FC VER 0803

P1 of 3

Description	<p>EPOXACOTE FC is a high solids, two pack epoxy coating. It is designed specifically as a tough and durable concrete floor coating, curing to a smooth and glossy, hardwearing finish with excellent chemical and water resistance. EPOXACOTE FC may be produced as a non slip finish either by addition of clean and dry graded sand to the final coat, or by broadcasting of the same graded sand, or other non-skid additives across the surface immediately after application.</p> <p>Standard and Low Temperature Hardeners are available.</p>																														
Areas Of Use	<p>EPOXACOTE FC is recommended for interior or exterior application to prepared concrete, steel or other stable floor areas subject to medium-high traffic. EPOXACOTE FC can also be used for wall surfaces to provide a hard and glossy 'medium thickness film' that is compatible with the most aggressive industrial cleaning agents.</p>																														
Features	<ul style="list-style-type: none"> • Excellent adhesion to properly prepared concrete and other stable substrates • Excellent chemical resistance to alkalis and diluted mineral acids • High abrasion and impact resistance • Suitable for use in wet areas with non-skid surface additions. 																														
Physical Properties		<table border="1"> <thead> <tr> <th></th> <th>PART A</th> <th>PART B</th> <th>MIXED</th> </tr> </thead> <tbody> <tr> <td>% solids by volume</td> <td>84</td> <td>100</td> <td>88</td> </tr> <tr> <td>Density @ 25°C</td> <td>1.65 (average)</td> <td>1.010</td> <td>1.52 (average)</td> </tr> <tr> <td>VISCOSITY, cPs @ 25°C</td> <td>5,000-7,000</td> <td>1,000</td> <td>1,500-1,900</td> </tr> <tr> <td>Mix Ratio</td> <td>4 Parts by Vol</td> <td>1 Part by Vol</td> <td>= 5 Volumes</td> </tr> <tr> <td>Pot Life, 4 Ltrs @ 25°C</td> <td></td> <td></td> <td>~ 1 hour</td> </tr> <tr> <td>Cure Time @ 25°C</td> <td></td> <td></td> <td>~ 6-8 hours tack free, and 5 days full cure</td> </tr> </tbody> </table>		PART A	PART B	MIXED	% solids by volume	84	100	88	Density @ 25°C	1.65 (average)	1.010	1.52 (average)	VISCOSITY, cPs @ 25°C	5,000-7,000	1,000	1,500-1,900	Mix Ratio	4 Parts by Vol	1 Part by Vol	= 5 Volumes	Pot Life, 4 Ltrs @ 25°C			~ 1 hour	Cure Time @ 25°C			~ 6-8 hours tack free, and 5 days full cure	
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Use Data	<p><i>Preparation</i></p> <p>All surfaces to be coated are to be free of loose mortar, dirt, grease, loose paint and any other foreign matter, which may prevent successful adhesion. New concrete surfaces must be allowed to cure minimum 28 days. All concrete surfaces should be sand-blasted, mechanically abraded or acid etched and then neutralised, and to a good standard of dry prior to application of the coating.</p> <p>All cracks and holes exceeding 2mm must be filled with a suitable epoxy putty or filler, or epoxy mortar. DO NOT USE ANY OTHER TYPE OF FILLER. Refer to Colormaker Industries for details.</p> <p><i>Mixing</i></p> <p>Before mixing, read all instructions and ensure availability of stirring equipment, clean rags and a watch. Add all of Part B (1 VOL) to Part A (4 VOLS) then using a broad flat stirring paddle, mix thoroughly with a circular, lifting action for 2-3 minutes. Alternatively, a mechanical stirrer (heavy duty slow speed electric drill) may be used; in this case, 2-3 minutes should suffice.</p>																														

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Ensure that material around sides and on the bottom is thoroughly incorporated. Any residual hardener that has drained to the bottom of the Part B tin should be added using a flat stirrer and thoroughly incorporated. After thorough mixing, allow to stand for 15 minutes **induction time**, then remix quickly including side scraping, before commencing application.

NOTE- thorough mixing and induction time are both critical. Failure to observe the above will result in sub-optimal reaction between epoxy resin and hardener. This may compromise curing of the painted film, impairing longer term performance and durability.

Application

Application may be by Brush, Roller or Airless Spray.

For application by airless spray, minimum nozzle pressure of 2,000 psi (143 bar) with an tip size of 0.66 mm has been found suitable.

Prior masking of adjacent surfaces is a prerequisite for spray application.

The product may be thinned with Solvent A (maximum 5% by volume) to improve substrate penetration, for the first coat only.

Coverage

Surface type and texture and condition will affect the coverage rate.

Typical Coverage is 5-7 m²/L per coat.

This equates to a Dry Film Thickness (DFT) of 125-175 microns per coat.

POT LIFE of mixed material @25°C is approx 1 hour at 4 litre volume, longer at lower ambient temperatures and shorter at higher temperatures. Ensure material is kept away from heat and out of direct sunlight, particularly during summer. Failure to protect product from ambient heat can dramatically reduce pot-life.

Material can be over-coated after 16 hours under normal summer conditions, 24 hours in normal winter conditions.

Areas that have been previously coated and found damaged can be readily over-coated. The existing surface must be well abraded to ensure good bond.

Do not recoat after 24 hours without lightly abrading the surface of the prior coat, so as to ensure optimum adhesion.

Do not apply if the temperature is below 10°C, or above 35°C, or is likely to fall outside of this range within the tack-free period.

EPOXACOTE FC is available ex stock in White, Flooring Grey and Black.

An additional 10 ex stock colours are available in 20 litre minm quantity from a neutral base.

Precautions

Colours

Clean up

Packaging

Shelf Life

Clean all equipment using Solvent A or Solvent LT.

Available in standard 5L two part kits, and 20L two part kits.

2-4 years if stored in a cool, dry place in unopened containers.

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Technical
Advice

Technical advice regarding the suitability of this product for specific applications and/or use requirements is available from Colormaker industries upon request.

Health &
Safety

SAFETY DIRECTIONS:

Thoroughly read the MSDS before commencing any application. Keep away from children. Avoid inhalation and contact with skin and avoid breathing vapour. Always wear adequate personal protection (gloves and goggles etc) when mixing or using. Always provide adequate ventilation, especially in confined areas.

EPOXACOTE FC is a flammable liquid. Avoid any source of heat or naked flames near open containers.

FIRST AID:

If poisoning occurs, call a doctor or Poisons Information Centre (Phone 13 11 26) or a doc. If swallowed, do not induce vomiting. Give plenty of milk or water. If skin or eye contact occurs, quickly remove contaminated clothing and wash affected areas thoroughly with soap and water.

Disclaimer

All statements, technical information, and recommendations relating to this product represent the present state of our knowledge, and is believed to be reliable. Buyers and intending users of all Colormaker Industries products should read the TDS carefully and then conduct their own assessment to confirm the suitability of the product, including in conjunction with other products, and the types of surfaces to, and the manner in which, the product will be applied. Colormaker Industries offers no warranty of performance based on the above information, either expressed or implied.

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