

## EPOXACOTE FC EPOXY FLOOR COATING

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Description	<p><b>EPOXACOTE FC</b> 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>		
Areas Of Use	<p><b>EPOXACOTE FC</b> 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> <p>*In exterior applications, overcoat <b>EPOXACOTE® FC</b> Flooring with appropriate coating. Contact Colormaker Industries for further advice.</p>		
Features	<ul style="list-style-type: none"> <li>• Excellent adhesion to properly prepared concrete and other stable substrates</li> <li>• Excellent chemical resistance to alkalis and diluted mineral acids</li> <li>• High abrasion and impact resistance</li> <li>• Suitable for use in wet areas with non-skid surface additions.</li> </ul>		
Typical Properties	<p><b>PART A</b></p> <p>Mix Ratio 3 Parts by Vol</p> <p>Pot Life, 4 L @ 25°C</p> <p>Dry Time @ 25°C</p> <p>Recoat time @ 25°C</p> <p>Full Cure</p>	<p><b>PART B</b></p> <p>1 Part by Vol</p>	<p><b>MIXED</b></p> <p>= 4 Volumes</p> <p>~ 90 Minutes</p> <p>~ 3 - 6 hours</p> <p>16 - 24 hours</p> <p>5 days</p>
Standards	No specific standards applicable		
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. <b>New concrete</b> surfaces must be allowed to cure minimum 28 days. Alternatively <b>EPOXACOTE® FC</b> Flooring may be applied over <b>ACRYLMERIC® WB Epoxy Primer Membrane</b>. If applying <b>EPOXACOTE® FC</b> Flooring direct to concrete, then all concrete surfaces should be sand-blasted, mechanically abraded or acid etched and then neutralised and rinsed with water allowed to dry to a good standard of dry prior to application of the coating. All cracks and holes exceeding 2 mm must be filled with a suitable epoxy putty or <b>LUXAPOOL® Structural Epoxy Filler</b>, or epoxy mortar.</p> <p>DO NOT USE ANY OTHER TYPE OF FILLER.</p> <p><i>Mixing</i></p> <p>Before mixing, read all instructions and ensure availability of stirring equipment, clean rags and a watch. First mix Part A thoroughly. Then add all of Part B in ratio 3:1, A:B by volume. Then using a broad flat stirring paddle, mix thoroughly with a circular, lifting action for 2-3 minutes.</p>		

Alternatively, a mechanical stirrer (heavy duty slow speed electric drill) may be used; in this case, 2-3 minutes should suffice.

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 a tip size of 0.66 mm has been found suitable.

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

The product should be thinned with 5% **LUXAPOOL® Solvent X** 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 m<sup>2</sup>/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 90 minutes for 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.

Precautions

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.

Colours

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

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

Clean up

Clean all equipment using **LUXAPOOL® Solvent A** or **LUXAPOOL® Solvent LT**.

Packaging

Available in standard 4L two part kits, and 20L two part kits.

Shelf Life

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

Technical  
Advice

Health &  
Safety

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

**SAFETY DIRECTIONS:**

Thoroughly read the SDS 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.

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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.