



GemCo Limited

Specialty Epoxy Products

4.160 GEMCOAT EFC 2:1 EPOXY FLOOR COATING

Composition and Properties

- **GEMCOAT EFC 2:1** is a solvent free, self leveling epoxy floor coating.
- It has excellent UV resistance & can be tinted to range of colours
- It is suitable for application alone or over **GEMCOAT EFS** epoxy sealer.
- It is formulated to give a hard, abrasion resistant coating which is capable of handling most floor traffic such as forklifts, cars, etc.
- It is ideal for factory floors, dairy sheds, garages, changing rooms, toilet & shower blocks etc.
- One or two coats are usually sufficient
- **GEMCOAT EFC 2:1** has excellent chemical resistance – consult GemCo

Physical properties

- Appearance: Base - pigmented liquid ;Hardener – clear liquid
- Odour: low odour
- Coating Type: Epoxy
- Packaging: 1.5, 6, 30 litre two part pack
- Mix ratio: 2:1 by volume
- Pot Life: 20 min approximately at 20 °C (750ml mix)
- Coverage: 5 sq metres/litre @ 200 microns DFT(theoretical - depends on substrate)
- Dry to Recoat: Typically overnight - will vary according to temperature
- Dry hard: 24 hours for light foot traffic, 7 days full cure
- Heat resistance: Up to 150 °C maximum – user must test in their application

Surface Preparation

- Concrete must be 28 days old.
- All oil, grease, and other contaminants must be removed (**GEMPREP 2000** is recommended).
- Remove laitance (alkaline salts on the surface formed during concrete cure) by either acid etching with 5 -10 % hydrochloric or grinding.
- Loose rust, scale, and old paint must be removed.
- If applied over **GEMCOAT EFS** epoxy sealer ensure that surfaces are free of contaminants.

Mixing & Application

- **Mixing** : thoroughly mix using a drill with a mixing blade.
- Small mixes of **3 litres or less** are recommended **particularly in hot weather**.
- It can be thinned with up to 5% acetone if required – this will give a longer pot life
- **GEMCOAT EFC 2:1** is applied by brush , or roller in one heavy coat.
- Do not apply if air temperature or substrate are below 5° C.
- It is preferable to apply at 10 ° C or greater.
- **Rolling**: Rolling is preferred method of application with a good quality 8mm mohair roller
- Keep a wet edge and DO NOT go back over areas already rolled as this can leave roller marks and shade differences.
- Dry to recoat is normally overnight but will vary depending on temperature.
- **GEMCOAT EFC 2:1** can be applied over with **GEMCOAT EFS** epoxy floor sealer.
- It may be applied while **GEMCOAT EFC** is still tacky.

Handling Precautions

- Avoid contact with eyes and skin. Do not ingest. Use with adequate ventilation.
- Protective clothing ,eye protection, and gloves should be worn.
- Do not breathe vapor or spray. Keep away from children.

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