



Self-smoothing epoxy resin flooring

ECF Flor

Product Data Sheet

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DESCRIPTION

ECF FLOR is a self-smoothing, epoxy resin seamless floor finish, combining outstanding wearing properties with chemical resistance and pleasing decorative properties. The product is available in a range of colours and is ideally suited to areas where jointed finishes (tile, sheet etc) are not acceptable and where maximum cleanliness is essential. Additional decorative effects can be produced by the introduction of coloured plastic flakes, lightly scattered on the surface and subsequently sealed.

ADVANTAGES

1. Seamless
2. Easily cleaned
3. Chemical resistant
4. Hard wearing
5. Decorative
6. Hygienic – does not support fungal or bacterial growth
7. Dustfree
8. Available in a range of attractive colours

WHERE TO USE

Ideal for areas where maximum cleanliness and durability are essential, i.e. food processing, laboratories, clean rooms, operating theatres and general light industry. (Note: Do not steam clean or use hot water above 60°C)

Optional Anti-Slip Finish

An anti-slip finish can be created by applying one coat of ECF TOP to the cured surface, and then scattering a fine aggregate onto the surface whilst wet. This can then be sealed with a top coat of ECF TOP.

ECF TILE is recommended as a top coat in areas where very high chemical resistance is required. Please see separate Data Sheets on ECF TILE and ECF TOP.

Consult Resin Surfaces for further details.

GRADES AVAILABLE

ECF FLOR 2000 - Nominal thickness - 2mm Coverage rate for 28 kilo unit – 7.3 m² at 2mm thickness

ECF FLOR 3000 - Nominal thickness - 3mm Coverage rate for 33 kilo unit - 6 m² at 3mm thickness

ECF FLOR 5000 - Nominal thickness - 5mm Coverage rate for 41 kilo unit- 4 m² at 5mm thickness

NOTE: The nominal thickness levels are based on full units being applied onto a smooth, lightly contoured surface. Heavily abraded or rough surfaces will require more material.

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CHEMICAL RESISTANCE

ECF FLOR has good resistance to spillage and splash contact with the following liquids at ambient temperatures for up to 24 hours, provided that site conditions do not encourage excess evaporation and therefore concentration of the chemical beyond the levels given:

Liquid fatty acids
sulphuric acid (10%)
hydrochloric acid (10%)
phosphoric acid (50%)
caustic soda (10%)
concentrated ammonia, lactic acid (10%)
acetic acid (10%) citric acid (10%)
mineral oils, inorganic salts (e.g. sodium chloride)
distilled water, esters, alcohols and salt solutions.

PHYSICAL PROPERTIES AT 20°C

Pot life - **30 mins at 20°C**

Curing time at 20°C

Touch dry **6-8 hours**

Foot traffic **24 hours**

Full traffic **2-3 days**

Full chemical **7 days**

Decontamination certification
ECF FLOR 2000: tested to BS4247 Part 1
Test A
Ease of decontamination classification - Good

PREPARATION

All surfaces should be dry, free from oil, grease dust and chemicals etc. and free of laitance. The surface should be first scarified, scabbled or shot blasted.
N.B. All surfaces must be sound and provide a good mechanical key.

All areas to be treated with ECF FLOR should first be primed with ECF PRIME at a coverage rate of 4 sq.m. per kg. and allowed to dry. Two coats of ECF PRIME may be necessary on very worn, pitted or porous surfaces.

APPLICATION

When thoroughly mixed together, the compound should be poured evenly over the appropriate area to be covered after fixing any stop ends, etc. to contain the reservoir of material. Spread the mix evenly over the area with a trowel to the appropriate thickness, then roll with a spiked roller to achieve an even smooth surface and remove entrapped air etc.

For further information on ECF PRIME see Data Sheet Ref. RSPM.

N.B. Spiked rolling should be undertaken 10-20 minutes after trowelling. Do not re-roll later.

MAINTENANCE

ECF FLOR can be mopped with water, scrubbed with ECF INDUSTRIAL FLOOR CLEANER (Please see Data Sheet Ref.CIFC) or other good quality detergents or just brushed out.

DO NOT STEAM CLEAN OR USE HOT WATER ABOVE 60°C.

CLEANING

Tools and mixing machines etc, should be cleaned as soon as possible after use with ECF Solvent or hot soapy water. Do not allow to set hard.

HYGIENE

ECF FLOR is formulated from materials, which are designed to achieve the highest levels of performance as safely as possible. However specific components require proper handling and suitable equipment. This information is given in the relevant safety data sheet.
In all cases spillage's or skin contamination should be cleared as soon as possible by dry wiping the affected area and then thoroughly washing with soap and water.

Consult Safety Data Sheet Ref. HSFL.

The information given in this data sheet is derived from tests and experience with the products and is believed to be reliable. The information is offered without guarantee to enable purchasers to determine for themselves the suitability of the product for their particular application. Any specification or advice given by the company is based on the information supplied by the purchaser. ECF Limited cannot be held accountable for errors or omissions as a result of that information being incorrect or incomplete. No undertakings can be given against infringement of patents.