

Self-smoothing polyurethane flooring

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DESCRIPTION

ECF SL is a coloured, self-smoothing water-based, seamless, polyurethane resin industrial floor finish, laid from 3mm to 5mm nominal thickness.

ADVANTAGES

1. Seamless
2. Easily Cleaned
3. Hard wearing
4. Matt finish
5. Hygienic - does not harbour bacteria.
6. Dust-free
7. High-chemical resistance
8. Non taint

WHERE TO USE

ECF SL is ideal for use in large or small areas where a smooth continuous flooring system is required which is hard wearing, has good chemical resistance and is easy to clean and maintain.

GRADES AVAILABLE

ECF SL23

3 mm nominal thickness

ECF SL45

5 mm nominal thickness

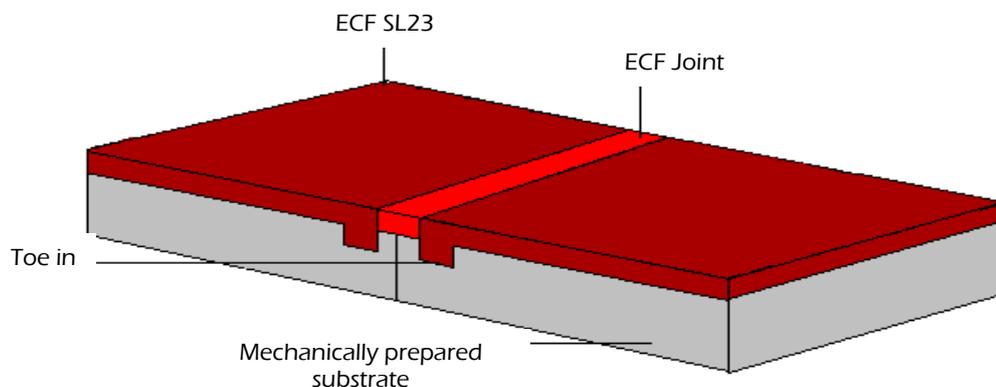
The nominal thickness levels are based on full units applied onto a smooth, lightly contoured surface. Heavily abraded or rough surfaces will require more material.

Optional Anti-Slip Finish

An anti-slip finish can be created by applying a heavy scatter, at approx. 2.5kg. per sq.m., of graded aggregate onto the surface, whilst still wet.

Excess aggregate should be swept and vacuumed up. Consult ECF Ltd for further advice.

ECF SL23



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CHEMICAL RESISTANCE

ECF SL has excellent all round chemical resistance. Please consult our technical department for resistance to specific chemicals.

PHYSICAL PROPERTIES AT 20°C

Coverage & Pack Size

ECF SL23 2.6m² at 3mm nominal thickness per 16kg unit.

ECF SL45 2.4m² at 4mm or 1.9m² at 5mm nominal thickness per 19kg unit

Pot life

15 minutes

Initial film joining up time

15-20 mins

Curing time for Heavy duty traffic

24 hours

Full chemical cure

5-7 days

COLOURS AVAILABLE

Salsa	Kingfisher Blue	Flint
Marigold	Forest Green	Stirling

NB : All polyurethane systems based on MDI will yellow with time this is a surface discolouration under the effect of UV light and does not in any way affect the durability of the floor finish.

PREPARATION

All surfaces should be dry, clean and free from oil, grease, dust, laitance, chemicals, etc. Surfaces should be prepared by vacuum blasting or mechanical abrasion, to provide a sound surface with good mechanical key.

All areas must be primed with ECF CONTRACT PRIMER at an average coverage rate of 6 sq.m. per kg., and allowed to dry. Two coats may be necessary on very worn, pitted or porous surfaces to achieve a seal. ECF DAMPSHIELD should be used where the RH level exceeds 75% (1-3 coats advised subject to RH level). To ensure maximum bond is achieved, grooves must be cut into the perimeter of the subfloor. Typically 2mm deep by 3mm wide for SL23 and 4mm deep by 3mm wide for SL45, 150mm from, and running parallel with the walls and adjacent to any doorways, plinths etc, including any finished edge, i.e. both sides of a daywork joint.

SL self smoothing systems should be laid in bays to a typical width of 8 m.

It is important to ensure that mixing is undertaken adjacent to the application area, and that materials are placed conveniently to ensure minimal lost time during the application process. Variation in mixing times, and delays in application can result in inconsistency and colour variation.

APPLICATION

Thoroughly premix the coloured base component ensuring any settled pigment is recovered, then add the hardener component and mix to an even consistency (1 minute). Transfer to a rotary drum mixer or similar forced action mixer bowl. Ensure the resin mix is thoroughly scraped out then add the aggregate component steadily in stages and mix for a further 2-3 minutes to ensure a lump free homogeneous compound (4-6 minutes total time).

When thoroughly mixed the compound should be poured evenly over the appropriate area to be covered (monitoring rate of coverage to ensure correct depth of screed). Low floor temperatures and reduced thickness may reduce the flow properties of these products. Work out the mix rapidly and evenly over the area with a notched trowel, pin rake or similar to the appropriate thickness. Roll immediately with a spiked roller to achieve an even smooth surface and remove entrapped air. NB. Spiked rolling should be undertaken immediately after trowelling. Do not re-roll later.

CLEANING

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

HYGIENE

ECF SL is formulated from materials designed to achieve the highest level of performance as safely as possible. However specific components require proper handling and suitable equipment. This information is given in the relevant safety data sheets. Please see below.

In all cases spillages or skin contamination should be cleared as soon as possible, by dry wiping of the affected area, and thorough washing with soap and water.

Consult Safety Data Sheet Ref. HSCS.

The information given in this data sheet is derived from tests and experience with the product, 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 undertaking can be given against infringement of patents.