

# **ECF Cemflow**

*Cementitious self-smoothing floor screed*

## Product Data Sheet

Data Sheet Ref:CEST 06/05 Page1 of 2

### **DESCRIPTION**

ECF CEMFLOW is a high quality, hard wearing cementitious flooring compound designed for installation and renovation and may be laid from 5mm - 20mm thickness.

ECF CEMFLOW requires only mixing with water to provide a highly fluid compound which may be pumped or laid free hand and which quickly finds its level.

ECF CEMFLOW rapidly hardens and may be sealed or coated within 12-48 hours, subject to temperature, allowing fast installation of high strength finishes to be achieved over a weekend.

### **ADVANTAGES**

1. Heavy Duty
2. Fast application
3. Fast Curing
4. Easy to lay by pump or hand.
5. Attractive Finish
6. Excellent abrasion resistance
7. Economical
8. Non-Dusting
9. Mixed with water only

### **WHERE TO USE**

In all areas where thin section, hard wearing level finishes are required.

ECF CEMFLOW is applied either by pumping or freehand methods onto a primed, properly prepared surface. ECF CEMFLOW is suitable for laying onto both new and existing floors with excellent adhesion.

ECF CEMFLOW is supplied naturally coloured. Decorative finishes can be achieved by use of Resuseal WB or Resucoat HB.

Conforms to BS8204 Special Class for severe abrasion environments.

### **COVERAGE:**

**ECF Cemflow:** one 25kg bag will cover 2.8 sq.m. at 5 mm nominal thickness.

**ECF Cemprime:** 5 sq. m. per litre per coat depending on porosity.

# Product Data Sheet

Data Sheet Ref:CEST 06/05 Page2 of 2

## **PHYSICAL PROPERTIES AT 20°C**

### **Ratio**

1x 25kg bag to 4.5-5 lt. water

### **Thickness**

Min.5.mm-max.30.mm

### **Pot life after mixing**

20 mins at 20 deg.C

### **Final Set**

3-4 hours at 20 deg.C

### **Compression Strength**

35 N/mm<sup>2</sup> @ 28 days (BS1881:pt116. 1983)

### **Flexural Strengths**

3.13 N/mm 2 @ 28 days (BS6319:pt3.1983)

### **Tensile Strength**

3.13 N/mm 2 @ 28 days (BS6319. pt7.1983)

### **Abrasion Resistance**

Conforms ro BS 82044 'AR1' Special Class

### **Impact Resistance**

2mm

### **Storage**

12 months min. in unopened containers stored in cool dry conditions

## **MAINTENANCE**

ECF CEMFLOW should normally be cleaned by mechanical scrubbing with mild alkali detergents. Care should be taken to ensure that the surface is well-rinsed to remove residues and prevent a build-up of detergent.

## **PREPARATION**

All surfaces should be dry, clean and free from laitance, grease or other contaminants. Ideally concrete surfaces should be shot-blasted or mechanically abraded to both clean and open the surface to provide a good mechanical key and local repairs carried out. Prime the surface with 2 coats ECF Cemprime comprising a 50/50 ix with water, applied by roller or soft broom, allowing the first coat to dry before applying the second. The surface should be touch dry before ECF Cemflow is applied.

ECF CEMFLOW may be applied manually or pumped. The water required should be adjusted to achieve the required flow. Contact East Coast Flooring Ltd for details of the flow ring test. When hand laid one 25 kg. unit of ECF CEMFLOW should be mixed with 4.5-5 lt. of clean water in a clean mixing vessel using an appropriate slow speed mixer fitted with a paddle. After placing the mix should be spread to the required thickness using serrated spatula or pin rake etc. ECF CEMFLOW is at its most fluid immediately after mixing and should be placed quickly.

Entrapped air and trowel marks should be removed by spiked roller or pin rake etc. It is essential that under no circumstances should the required water level be exceeded.

When dry and between 12 and 48 hours, after placing, the floor should be sealed with ECF Seal W.B. Coating, either clear or coloured.

ECF CEMFLOW should not be used in constantly wet areas where exposed to occasional wetting the system should be coated.

## **HYGIENE**

ECF CEMFLOW 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. It is not advisable to let resin-based materials set on skin and use of barrier cream, gloves and protective clothing is advised. After finishing, wash hands with plenty of soap and water.

## **Consult Safety Data Sheet Ref. HSCF.**

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. East Coast Flooring Ltd 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.