

SAFECELL PLUS FLOW APPLIED ANTISLIP EPOXY FLOORING



DESCRIPTION

Safecell Plus is a medium to heavy duty epoxy resin floor finish providing an antislip, easily cleaned surface with excellent resistance to chemicals.

The smooth slightly textured finish is obtained by finishing and smoothing the surface with a specially designed Ryebrook spiked roller.

The incorporation of abrasion resistant fillers in the epoxy resin produces a floor finish with the highest order of wear resistance, combined with good antislip properties.

Three different products are available which use variable levels of fillers to enable Safecell Plus to be applied at thicknesses from 2.0-6.0mm.

Safecell Plus 2000	2.0-2.5mm
Safecell Plus 3000	2.5-4.0mm
Safecell Plus 5000	4.0-6.0mm

Composition

3 pack solvent free epoxy resin and graded quartz aggregates.

Appearance

Slightly textured gloss coloured finish.

Durability

Safecell Plus exhibits the highest order of abrasion resistance.

Thickness

2.0-6.0mm

TYPICAL INSTALLATIONS

Safecell is especially designed for use within detention centre.

Substrates

Safecell adheres well to concrete and grano.

Surface Preparation

To be assured of maximum adhesion and properties from Ryebrook resin products, the correct surface preparation is essential. Please refer to technical data sheet "Surface Preparation" reference TD102.

Application Conditions

Safecell Plus is a free flowing liquid which increases in viscosity as the temperature lowers. To ensure optimum finish an ambient temperature in excess of 10°C should be provided. Ideal application temperatures 25°C.

Priming

Ryepime SF at 125g/m². Allow to cure prior to application of Safecell Plus.



Mixing

The use of a rotary drum mixer is essential to produce a smooth even finish. Mix the resin and hardener units together thoroughly with a slow speed paddle mixer for at least 60 seconds until even coloured. Then add the Safecell Plus aggregate slowly whilst mixing at the same time. Allow to mix for further 3 minutes.

Application Technique

This product is laid in compliance with BS 8204-6 Type 5. Spread the mixed Safecell Plus to required thickness using a trowel and level using a Ryebrook spiked roller. Depending on the temperature it may be necessary to use the spiked roller after 15-30 minutes to ensure that all the air has been released.

Coverage Rates

Safecell Plus	2000	3000	5000
Nominal Thickness	2.0mm	3.0mm	5.0mm
Coverage kg/m ²	3.2	5.4	9.7

SPECIFICATION DETAIL

Ryepime SF to prime at 125g/m².
Safecell at coverage rates as above.
Ryeteck Plus at 250g/m².

Maintenance

Providing contamination is not allowed to build up, regular scrubbing and mopping will maintain Safecell floors satisfactorily.

Cure Schedule @ 20°C

Pot Life (full unit)	30 minutes
Initial Set	8-10 hours
Foot Traffic	24 hours
Heavy Traffic	3-4 days
Full Chemical Resistance	7-10 days

Chemical Resistance

Excellent chemical resistance. Please refer to technical data sheet reference TD112.

Grades Available

FX, FC. Please refer to technical data sheet reference TD11.

Colours Available

All standard Ryebrook colours except White.

TECHNICAL DATA

	2000	3000	5000
Compressive Strength N/mm ²	36	37	42
Flexural Strength N/mm ²	30	32	32
Slant Shear Bond Strength N/mm ²	29	29	29
Density	1.65	1.9	2.0
Elastic Modulus kN/mm ²	3	3	3
Flame Spread (BS476 Part 7)	Class 2		
Thermal Cycle 14 days 40°C at 100°C @ 24 hour cycle	Showed no debonding or stress		
Ease of decontamination to BS4247: "Excellent" Part 1 Test A			

Health and Safety

Please read technical data sheet reference TD103 and specific health and safety data for this product provided in compliance with the requirements of EC Directive 91/155.

Storage, Mixing & Application

The storage, mixing and application conditions can affect the quality of the finish produced. Please read technical data sheet reference TD104.

Technical Advice

For further information on this or any other Ryebrook product, please contact our Technical Department on 01293 565500.