

Safecell Plus



Epoxy Resin Floor - FeRFA Type 5

Flow applied flooring – 2mm to 3mm

Description

Safecell Plus is a medium epoxy resin floor finish providing an anti-slip, 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 anti-slip properties.

ADVANTAGES & BENEFITS	TYPICAL AREA OF USE	TECHNICAL DATA (N/mm ²)	
<ul style="list-style-type: none"> ✓ Excellent chemical resistance ✓ Highest order of abrasion resistance 	<ul style="list-style-type: none"> ✓ Developed specifically for the secure accommodation market within custodial suites in Police stations, Prisons, Youth custody and mental health accommodation. 	Compressive Strength	37
		Flexural Strength	32
		Slant Shear Bond Strength	29
		Density	1.9
		Elastic Modulus	3
		Flame Spread (BS476 Part 7)	Class 2
		Ease of decontamination to BS4247: Part 1 Test A	Excellent
		Slip Resistance	Medium
		Thermal Cycle 14 days 40°C at 100°C @ 24 hour cycle -	Showed no debonding or stress

Composition

3 pack solvent free epoxy resin and graded quartz aggregates.

Appearance

Textured gloss coloured finish.

Chemical Resistance

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

Durability

Safecell Plus exhibits the highest order of abrasion resistance.

Thickness

2.25-3.25mm

Colours Available

A range of colours choices are available, speak to our sales team for a colour chart.

Safecell Plus

Substrates

Safecell adheres well to concrete and grano.

Coverage Rates

Safecell Plus	2000	3000
Nominal Thickness	2.00mm	3.0mm

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 15°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

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.

Specification Detail

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

Cure Schedule

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

Maintenance

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

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 and Application

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

Further Technical Advice

For further information on this or any other Ryebrook product, please contact our Technical Department on 01634 957520 or email info@ryebrook.co.uk