

## The ultra-thin flowing screed solution



Inside the FM Screed Solutions Range, EXCELIO® Technology has been developed to offer a unique solution for a thin floor construction. Specifically targeted to bridge the gap between self-smoothing compounds and bonded screeds.



It's the only factory manufactured screed that can be applied at just 12mm, eliminating the need for multiple coat applications, achieving up to 83m<sup>2</sup> to each cubic metre produced and eliminating the need for on site manufacture.

### WHAT DOES FM SCREED EXCELIO OFFER?

EXCELIO® technology offers building designers a thin floor construction solution which provides:



#### reduction

Up to 70% reduction in bonded construction depth compared with traditional screeds



#### speed

Up to 100% faster installation compared to a thin section smoothing compounds



#### savings

Cost, labour and time savings on the build programme

### ALL THE NORMAL BENEFITS OF FLOWMIX PRODUCTS

FM Screed Excelio has **all the benefits** that you have come to expect from Flowmix screed:

- **SR1 finish - contractor dependent**
- **Very high fluidity**
- **Greatly reduced cracking and no curling**
- **Maximum bay size 800m<sup>2</sup>**
- **No reinforcement**
- **No need for a curing membrane**
- **Typically 39% recycled content**

#### MAIN FEATURES

##### Quality assured

*Factory produced in third party accredited plants*

##### Only 12mm

*Bridging the gap between smoothing compounds and bonded screeds*

##### Green colouration

*To ensure correct product selection*



HEALTH AND SAFETY:  
 REMOVES MANUAL HANDLING OF BAGGED MATERIAL, MIXING AND WATER ADDITION

**Flowmix Screed Excelio is an accumulation of benefits** for a thin floor construction:

It allows up to a 70% reduction in screed thickness thanks to new generation admixture.

Optimised screed depth and removal of the need to manually mix bagged materials improving installation time by up to 100%.



**Due to the combination of factory production, no manual handling, thinner screed and faster installation, EXCELIO® offers considerable per square meter saving.**

	BONDED SAND CEMENT	ECO TECHNOLOGY	EXCELIO TECHNOLOGY	SMOOTHING COMPOUND
	<p>40 mm CONCRETE SUBSTRATE</p> <p>THICK SECTION</p>	<p>25 mm CONCRETE SUBSTRATE</p> <p>REDUCED SECTION</p>	<p>12 mm CONCRETE SUBSTRATE</p> <p>OPTIMUM SECTION</p>	<p>3 mm CONCRETE SUBSTRATE</p> <p>THIN SECTION / MULTIPLE LAYER APPLICATION</p>
DESIGN SCOPE	—	★	★★★★★	★
COST EFFICIENCY	★	★★★	★★★★★	★
OVERALL SUITABILITY	—	—	★★★★★	★

## OUTSTANDING PERFORMANCE

TECHNICAL CHARACTERISTICS	
Mechanical strength	C30 F8 - BSEN 13813
Dry density	2 050kg/m <sup>3</sup> (± 200)
Design thickness	12 - 30mm (0 - 4mm sand)
Substrate type	In situ concrete/Pre cast concrete
Substrate preparation	Mechanical sanding
Surface finish	Low skin
Surface regularity	SR1-BSEN 8204-7
Priming requirement (>75% RH)	Liquid DPM (PU/Epoxy) with sand scatter or secondary priming
Priming requirement (<75% RH)	2 Coats acrylic/PU (to suit substrata)

INSTALLATION BENEFITS	
Flow	270mm (± 10mm)
Working Time	180mins from commencement of batching to finish dapping
Joints	800m <sup>2</sup> (area layout to be considered)
Productivity	Up to 260m <sup>2</sup> / hour or 2000m <sup>2</sup> / day

**EXCELIO® is a technology of Anhydritec Europe.**



Our anhydrite binder is composed of **98% recycled materials**