

# TECHNICAL INFORMATION

## TOPFLOW SCREED EXCELIO

The ultra-thin flowing screed solution with proven performance

TOPFLOW SCREED EXCELIO is specifically designed for use in bonded construction between 12-30mm. Excelio provides the thinnest readymix screed solution and was designed to bridge the gap between bagged SLU materials and bonded sand cement screeds.

TOPFLOW SCREED EXCELIO offers the unique ability to install a 12mm bonded screed whilst gaining the benefits of a readymix, factory produced product. This greatly improves productivity and reduces site labour and operations compared to traditional SLU. 1m<sup>3</sup> of Excelio replaces seventy 25kg bags of pre blended material and eliminates the associated site mixing.

### BENEFITS

- Self compacting
- Self curing.
- Can be walked on in 24-48 hours.
- Can be loaded after 7 days
- No reinforcement required.
- Dehumidifiers can be used after 72hrs to aid drying
- Dries at 1mm per day up to 30mm in good drying conditions
- Can achieve SR1 finish as described in BS8204 - Site Dependant
- Protein free - cannot harbour harmful bacteria.
- Non combustible (tested to BS476 Part 4).
- Minimal Thermal expansion (0.012mm/mK).
- Environmentally friendly

### ENVIRONMENTAL

- Gyvlon Binder - 98% Recycled Content
- Gyvlon Screed - Average 38% Recycled Content
- Recyclability - 100% Recyclable
- VOC Content - VOC Free

### THE ULTRA-THIN FLOWING SCREED SOLUTION , FOR BONDED CONSTRUCTION

Due to the combination of factory production, no manual handling, thinner screed and faster installation, TOPFLOW SCREED EXCELIO offers considerable per square metre savings.



Topflow Screed EXCELIO 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, improves installation time by up to 100%.

	BONDED SAND CEMENT 40mm	ECO <sup>®</sup> TECHNOLOGY 25mm	EXCELIO <sup>®</sup> TECHNOLOGY 12mm	SMOOTHING COMPOUND 3mm
	THICK SECTION	REDUCED SECTION	OPTIMUM SECTION	THIN SECTION/ MULTIPLE LAYER APPLICATION
DESIGN SCOPE	-	✓	✓✓✓✓✓	✓
COST EFFICIENCY	✓	✓✓✓	✓✓✓✓✓	✓
OVERALL SUITABILITY	-	-	✓✓✓✓✓	✓

### OUTSTANDING PERFORMANCE

TECHNICAL CHARACTERISTICS	
Mechanical Strength	C30 F8 - BSEN 13813
Dry Density	205kg/m <sup>3</sup> (+200)
Design Thickness	12 -30mm (0-4mm sand)
Substrate Type	Insitu concrete/ Pre cast concrete
Substrate Preparation	Mechanical sanding
Surface Finish	Low Skin
Surface Regularity	SRI-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

INSTALLATIONS 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

### DELIVERY

TOPFLOW SCREED EXCELIO is supplied via Tarmac's network of screed plants.

### HEALTH AND SAFETY

Some of the components of this product may be hazardous during mixing and application. Please consult the relevant Health and Safety datasheets, available from Tarmac on request and provided with each delivery.



For more details contact  
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