



THE ULTRA-THIN FLOWING SCREED SOLUTION

Inside the Gyvlon® 'Environmental 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.

Gyvlon EXCELIO® is the only factory manufactured screed that can be applied at just 12mm, eliminating the need for multiple coat applications, achieving up to 83m² to each cubic metre produced and eliminating the need for on site manufacture.

WHAT DOES 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 thin section smoothing compounds.
- + Savings:** Cost, Labour and Time savings on the build programme.

ALL THE NORMAL BENEFITS OF GYVLON® PRODUCTS

EXCELIO® has **all the benefits** that you have come to expect from Gyvlon screeds:

- **SR1 finish**
Contractor dependent
- **Very high fluidity**
- **Greatly reduced cracking**
and no curling
- **Maximum bay size 800m²**
- **No reinforcement**
- **No need for a curing membrane**
- **Typically 39% recycled content**

OUR TECHNICAL +

- ➔ **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

GYVLON® RANGE

THERMIO+[®]
TECHNOLOGY

XTR[®]
TECHNOLOGY

STEELDECK[®]
TECHNOLOGY

SKY[®]
TECHNOLOGY

EXCELIO[®]
TECHNOLOGY

ECO[®]
TECHNOLOGY

**Gyvlon[®]
Screed**
*Environmental
screed solutions*

THE ULTRA-THIN FLOWING SCREED SOLUTION, FOR BONDED CONSTRUCTION



EXCELIO® is an accumulation of benefits for a thin floor construction:



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 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 40 mm CONCRETE SUBSTRATE	ECO® TECHNOLOGY 25 mm CONCRETE SUBSTRATE	EXCELIO® TECHNOLOGY 12 mm CONCRETE SUBSTRATE	Smoothing compound 3 mm CONCRETE SUBSTRATE
	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	2 050kg/m ³ (± 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 ² (Area layout to be considered)
Productivity	Up to 260m ² / hour or 2 000m ² / day

Gyvlon® EXCELIO® is a technology of Anhydritec Europe.



www.gyvlon.co.uk