

EXCELIO[®]

TECHNOLOGY

THE ULTRA-THIN READYMIX FLOWING SUBBASE LEVELLER

Anhydritec[®] has developed Gyvlon[®] EXCELIO[®] technology to offer an unique readymix solution bridging the gap between self-smoothing compounds and bonded screeds.

Gyvlon EXCELIO[®] is the only readymix liquid flowing screed that can be **bonded at just 8 mm^b**; eliminating the need for site batching multiple mixes, **saving time and money**.

EXCELIO[®] contributes to preserving the environment thanks to its high recycled content, no plastic packaging and low carbon content.

WHAT DOES EXCELIO[®] OFFER?

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

- + Thin section:** Up to **70% reduction** in bonded construction thickness compared with traditional screeds
- + Speed:** Up to **100% faster installation** compared to a thin section smoothing compounds
- + Savings:** Readymix solution, no site mixing, no bag storage, ensuring **high productivity**
- + Versatility:** Suitable for most floor conditions and **all kinds of floor finish**

ALL THE BENEFITS OF GYVLON[®] PRODUCTS

EXCELIO[®] technology has **all the benefits** that you have come to expect from Gyvlon screed product based on 30 years' experience:







- **SR1 surface finish achievable**
- **Very high fluidity** for fast installation
- **No shrinkage** greatly reduced cracking, no curling
- **No need for joints** except movement & construction joints
- **No need for a curing membrane**
- **Environmentally friendly, greatly reduced CO₂ and carbon content**



MAIN FEATURES

- ➔ **Quality assured**
Produced in accredited readymix plants
- ➔ **Only 8 mm^b bonded**
Bridging the gap between smoothing compounds and bonded screeds
- ➔ **Green colouration**
To ensure correct product selection

EPD[®] LOW CARBON SOLUTION
<90% REDUCTION

- 
The ultra-thin readymix flowing subbase leveller
- 
The thin and lightweight flowing screed solution
- 
The guaranteed ultra-efficient screed for underfloor heating
- 
The strongest screed for the most demanding situations
- 
The Gyvlon[®] screed version with faster drying (FD) and early to cover (E2C[®])
- 
Anhydritec's versatile Gyvlon[®] screed

THE ULTRA-THIN READYMIX FLOWING SUBBASE LEVELLER



EXCELIO® is a versatile solution suitable for new construction or renovation.



EXCELIO® makes up for any levelling defects, from 8 mm, while allowing up to a 70% reduction in screed thickness.



EXCELIO® is bonded directly after preparation and priming of the substrate. Installation time is reduced by up to 100% thanks to the removals of bag handling and site mixing.



EXCELIO® is a fast and cost-efficient solution due to readymix deliveries and high productivity enabling considerable savings per m².

	Bonded sand cement 40 mm CONCRETE SUBSTRATE	ECO TECHNOLOGY 25 mm CONCRETE SUBSTRATE	EXCELIO TECHNOLOGY 8 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	2 050 kg/m ³ (± 200)
Design thickness	Bonded 8 ^b - 40 mm (0 - 4 mm sand)
Substrate type	New/existing concrete slab or screed
Substrate preparation	Mechanical preparation
Surface regularity	SR1-BSEN 8204-7
Priming requirement (>75% RH)	Liquid DPM (PU/Epoxy) with sand scatter or secondary priming*
Priming requirement (<75% RH)	Multiple coat acrylic primer (typical 1:3/1:1) or water dispersible Epoxy/PU primer*

INSTALLATION BENEFITS	
Flow	300 mm (± 10 mm)
Working Time	3 hours from commencement of batching to finish dapping
Joints	None apart from construction/movement joints which need to be mirrored through the floor.
Productivity	Up to 200 m ² / hour or 2000 m ² / day

Gyvlon® EXCELIO® is a technology developed by Anhydritec

- a. Always comply with manufacturers guidance and seek advise
- b. 8 mm thickness applicable for up to 30% of the screed area laid
- c. Design minimal thickness for unbonded & floating applications are the same as Finio



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