

# Technical information

## TOPFLOW Screed A-FD



FD - Faster Drying technology brings together all the benefits you expect from Tarmac's Screed A range, but now with a faster drying, low skin option.

### USES

FD technology has been designed to be an addition to the Tarmac screed range to give a faster drying, low skin solution without affecting the characteristics of the mix.

Following extensive site trials in the UK, Tarmac's Screed A-FD has been proven to dry at least twice as quickly under normal on site installation when compared to our standard Tarmac TOPFLOW Screed A, and in laboratory trials carried out at (20 degrees / 65% RH) will be able to attain 75% relative humidity (%RH) before most flowing screeds.

By using Tarmac TOPFLOW Screed A-FD, non-sensitive floor coverings can be laid in as little as 21 to 28 days dependent on screed thickness 50mm and local conditions. For sensitive flooring coverings Tarmac TOPFLOW Screed A-FD is also significantly faster than the standard calcium sulphate to attain 75% RH and therefore allow covering earlier.

Furthermore Tarmac TOPFLOW Screed A-FD also gives you a surface finish which is ideal to receive final floor finishes; eliminating the need for initial sanding on the majority of sands used in manufacture.\*

Please refer to your local Tarmac representative for availability and local performance.

### PRODUCT BENEFITS

Tarmac TOPFLOW Screed A-FD technology still has all the great benefits of our Tarmac screed products based on over 30 years' experience but now with a faster drying low skin solution.

- Floor coverings applied earlier
- Eliminating the need for initial sanding (Depending on local materials used, sanding of the surface may be required)
- Environmentally friendly (Saving up to 20Kge/CO<sub>2</sub> per m<sup>2</sup>)
- High fluidity for fast cost effective installation
- Guaranteed compaction & quality
- Minimum SR2 surface finish
- Large bay sizes reducing the need for joints (max. bay size 800m<sup>2</sup>; UFH 300m<sup>2</sup>)
- No reinforcement with greatly reduced cracking and no curling
- No need for a curing membrane

### BBA ACCREDITED

TOPFLOW Screed A FD uses Gyvlon Eco FD technology and is independently accredited by BBA as having faster drying properties, resulting in higher earlier strength characteristics and also as meeting the requirements of NHBC Standards, Chapter 9.3 Floor finishes, Clause 9.3.4 Screed.



\* In line with industry recommendations, sanding of the screed surface will be required prior to application of final finishes, this is necessary to provide a suitable key, remove surface build up caused by site traffic and following trades. Note, regional aggregate variation may impact the low skin surface finish.

## PRODUCTIVITY AND EASE OF USE

Tarmac **TOPFLOW** Screed A-FD screed exhibits very high productivity rates (200m<sup>2</sup>/h). It is possible to walk on after 24 hours, and will generally accept trades, foot traffic within 48hrs. Once suitable moisture levels are attained, the screed can be covered without any risk of cracking or curling.

## VERSATILITY AND FREEDOM OF LAYING TILES OR VINYL, ETC.

Tarmac **TOPFLOW** Screed A-FD offers great versatility and is used for all applications: underfloor heating/cooling, thermal & sound insulation, floor levelling...

Unlike cement-based screeds, the virtual absence of expansion joints preserves the aesthetics of the floor coverings and allows all the freedom both in terms of tile sizes and layouts (diagonal installation, lack of joints, etc.) or vinyl coverings (hospitals, sports halls, etc.)

Technical Characteristics	
Mechanical strength	C25-FS BSEN 13813
Dry density	2,000kg/m <sup>3</sup> {± 200}
Design thickness	Min 30mm - unbonded
	Min 35mm (domestic)
	40mm (commercial) - floating
Substrate type	Suitable for most substrates
Substrate regularity	SR2 - BSEN 8204-7
Surface finish	Low-skin option (may require sanding as part of floor finish installation)
Reinforcement	Requires no reinforcement

  

Installation Benefits	
Flow	240mm {± 10mm}
Working time	180mins from commencement of batching to finish dapping
Joints	800m <sup>2</sup> (300m <sup>2</sup> for UFH)
Productivity	Up to 200m <sup>2</sup> / hour or 2,000m <sup>2</sup> / day

The information given in this technical data sheet is based on our current knowledge and is intended to provide general notes on our products and their uses. Tarmac endeavour to ensure that the information given is accurate, but accept no liability for its use or its suitability for particular application because of the product being used by the third party without our supervision. Any existing intellectual property right must be observed.

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