TARMAC
A CRH COMPANY

TECHNICAL INFORMATION

TOPFLOW SCREED A XTR

Tarmac Topflow Screed A XTR flowing screed is a blend of synthetic calcium sulphate binder, special additives and selected aggregates mixed with clean potable water to produce a pumpable self smoothing, flowing screed (manufactured to BSEN 13813:2002).

USES

Topflow Screed A XTR flowing screed is designed to provide a smooth level surface in both commercial and domestic buildings where higher than usual loadings are expected, and is particularly suitable for use as a floating screed, and for use in conjunction with underfloor heating systems. (Where higher loadings are expected, special attention should be paid to the loading characteristics of the insulation being specified.)

For advice on specifications and for proprietary systems please contact your Tarmac representative.

SPECIFIC FEATURES

- Increased productivity – 2,000m^2/day can be easily achieved
- Self-compacting
- Self-curing
- Can be walked on in 24–48 hours
- Can be loaded after seven days
- Extremely low shrinkage – does not curl and minimises the risk of cracking
- Avoids the need for reinforcement
- Significantly reduced thickness when compared to traditional sand cement screed
- Large bay sizes of up to 800m^2 depending on application (heated floors 300m^2)
- Ideal for use with Underfloor Heating (UFH)
- Can be force dried as early as seven days after application
- Weight saving as a result of thinner section
- Dries at a rate of 1mm per day up to a screed depth of 40mm in good drying conditions
- Easily achieves SR2 finish as described in BS8204
- Protein-free – cannot harbour harmful bacteria
- Non-combustible (tested to BS476 Part 4)
- Minimal thermal expansion (0.012mm/mK)
- Excellent thermal conductivity
- Environmentally friendly

TECHNICAL DATA

Appearance/Colour:	Off-white fluid mortar
Water Demand:	13–18% b.w
pH:	>10
Wet Density:	2,200kg/m^3
Dry Density:	2,000kg/m^3
Typical Screed Properties:	
Compressive Strength:	CA25 N/mm^2/C35N/mm^2
Flexural Strength:	F4 N/mm^2/ F6 N/mm^2

MINIMUM APPLICATION FOCUS

Bonded:	25mm
In contact with substrate:	30mm
Unbonded:	30mm
Floating Commercial:	40mm
Floating Domestic:	35mm
Underfloor Heating:	30mm nominal (25mm minimum) cover to pipes, heating elements

SCREED PREPARATION

Topflow Screed A XTR will require heavier sanding/ grinding to remove surface laitance. Sanding at 7–10 days will also improve drying performance. Topflow Screed A XTR low laitance requires a light sanding with 60 grit sandpaper to form a surface key to take subsequent floor coverings. In both instances the dust residue needs to be vacuumed up.

DELIVERY

Topflow Screed A XTR flowing screed is supplied via Tarmac's network of approved screed plants.

HEALTH & SAFETY

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

ENVIRONMENTAL

Topflow Screed A XTR is produced using Gyvlon binder which is manufactured from an industrial by product. Topflow Screed A – Average 36% recycled content. Recyclability – 100% recyclable. Volite Organic Compound (V.O.C) free.

bsi. Screed Material KITEMARK™
KM 613473

For more details contact
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