

# TECHNICAL INFORMATION

## POST INSTALLATION GUIDELINES - TOPFLOW SCREED A

Topflow Screed A is a flowing pumpable calcium sulphate based screed designed to provide a smooth level surface in both commercial and domestic applications prior to the application of floor finishes.

Suitable for application to all types of sub floor, Topflow Screed A is ideal for application as a floating floor on insulation, over underfloor heating (both electric and warm water systems), cooling systems on thermal insulation, on resilient layers in acoustic applications and for large areas to reinstate the floor level.

### CURING ENVIRONMENT

Following installation the environment must remain sealed for two days. The screed should be protected from direct sunlight and frost during this time. After this period, good drying conditions should be maintained by increasing ventilation and if possible by increasing room temperature to minimise drying time. Also, ensure the screed is never covered with polythene.

Storage of materials on the screed surface, accidental exposure to water, humid or cold environments will all delay drying.

TABLE 1

#### TARGET MOISTURE CONTENT PRIOR TO APPLICATION OF FLOOR COVERING

For permeable floor coverings  
moisture content <1%

For impermeable floor coverings  
moisture content <0.5% <75% RH

After seven days the screed can be force dried.

When installed over underfloor heating the system must have been commissioned prior to application of floor finishes.

This can commence as early as seven days after installation. Commissioning of underfloor heating should be carried out in accordance with BS1264:2001 Part four, clause 4.4 and in line with the manufacturer's recommendations. Heating should be gradual, in 3-5°C increments and at no time should the water or cable temperature exceed 50°C. Please ask your Tarmac contact for further details.

The system should be switched off for a minimum of 48 hours (two days) prior to determination of the moisture content and installation of floor finishes.

### MOISTURE CONTENTS

Prior to installation of floor coverings the moisture content of the screed should be determined using a hair hygrometer in accordance with BS8203. The Contract Flooring Association and the Tile Association have recommendations relating to installation of floor coverings on calcium sulphate screeds. These bodies should be consulted for further information.

The surface of the screed should be free from dust, laitence or other contaminants and should be sealed with an appropriate primer prior to the application of subsequent adhesives or levelling compounds (consult the manufacturer for suitable products and recommendations for installation). Both calcium sulphate and cement based products are suitable, however in the latter case Topflow Screed A should be dried as per guidance in Table 1 and the manufacturer's recommended primer used prior to application.

From time to time we are asked about primers, sealers, tile adhesives, levelling compounds etc.

Whilst Tarmac does not give warranties on products manufactured by other companies, we are aware of a number of manufacturers who have a range of products or systems, which are usable or compatible with Topflow Screed A.

Primers and sealers will usually be of the acrylic or epoxy type. In all cases, advice should be sought from the manufacturer.

Levelling compounds and tile adhesives, can be based on cement or calcium sulphate. Those products based on cement are usually part of a system which incorporates a sealer/primer designed to separate the cement from the calcium sulphate contained within Topflow Screed A.

Those levelling compounds based on calcium sulphate usually do not need a sealer, but will still require a primer in order to prevent the moisture being drawn into the screed from the levelling compound/tile adhesive too quickly (often referred to as 'suction').

Again, in all cases advice should be sought from the manufacturer.

It is the advice of Lafarge Tarmac that the use of anhydrite compatible products are better suited to use with Topflow Screed A.



Below is a manufacturer who has a range of products or systems which have been used successfully with Topflow Screed A.

#### TOPFLOW SCREED A COMPATIBLE MATERIALS

AnhyPrime - Primer

PrimePlus - Primer

AnhyFix - Gypsum based rapid setting floor tile adhesive

AnhyLevel - Self levelling floor compound

Tilemaster Adhesives Limited

Unit 4 Tomlinson Point, Tomlinson Road

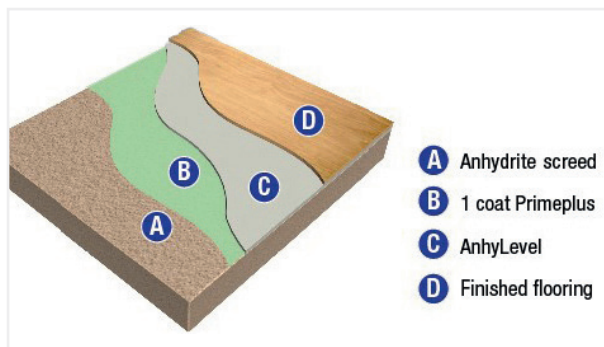
Leyland, Lancashire PR25 2DY

Tel: +44 (0)1772 456 831

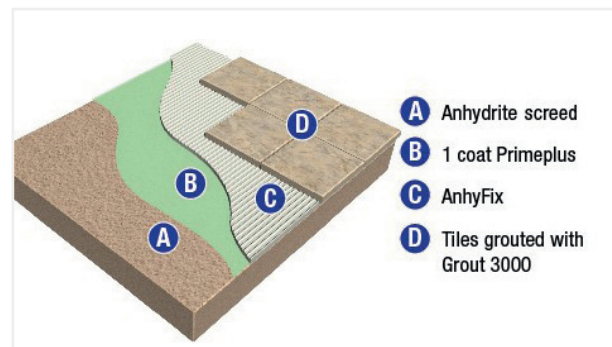
Contact: Sales



#### Vinyl flooring, wood flooring and lino onto Anhydrite screed



#### Tiling to Anhydrite screed using AnhyFix



- Anhydrite screed must be confirmed dry via consistent moisture readings before tiling commences. The residual moisture content must be less than 0.5% or 75% relative humidity (RH).
- As a guide for drying times, allow one day per mm up to an overall depth of 40mm and two days per mm for anything above 40mm.
- Remove any laitance from the surface mechanically and remove all dust by vacuum.
- Prime the surface with one coat of PrimePlus, diluted three parts water to one part PrimePlus.

#### CEMENT BASED ADHESIVES

Primer - Eco Primer A  
Adhesive - H40 Eco Ideal

#### KERAKOLL LIMITED

Email: [info@kerakoll.co.uk](mailto:info@kerakoll.co.uk)  
Tel: 01527 578 000  
[www.kerakoll.co.uk](http://www.kerakoll.co.uk)



#### TILE ADHESIVE MANUFACTURERS

Gypsum Based  
Creative Impressions 01772 335 435  
Nicobond 0208 568 4600  
Tilemaster 01772 456 831

#### CEMENT BASED

Bal/Dunlop 0845 600 1222  
Instarmac 01827 871 871  
Keracol 01527 578 000  
Smoothing Compounds and Vinyl Adhesives

#### GYPSUM BASED

Creative Impressions 01772 335 435  
Uzin 01926 431 447  
Tilemaster 01772 456 831

#### CEMENT BASED

Laybond 01785 272 727  
Ardex 01440 714 939  
Tremco 01942 251 400  
Instarmac 01827 871 871  
Keracol 01527 578 000

#### TIMBER ADHESIVE MANUFACTURERS

Havwood Timber Accessories 01772 696 600  
Sika Adhesives 01707 394 444



For more details contact  
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