

# **TOP**FLOW

## SCREED A

The ideal free-flowing floor screed





## Topflow Screed A from Tarmac.

The ideal free-flowing  
floor screed.

Topflow Screed A is made with a unique synthetic anhydrite binder in place of cement and is pump applied due to its fluid consistency. This means that it is easier to lay, covering areas of up to 2,000m<sup>2</sup> in a day. It is also thinner than conventional screeds making it the natural choice for underfloor heating systems.

It's a common problem; time is short yet the project requirements are long. You need a flooring solution that is both fast and flexible, one that is simple to place providing a high quality surface. Ordinary sand cement screed does not deliver the speed or the versatility. But there is an alternative that ticks all the right boxes, Topflow Screed A from Tarmac.





*TOP  
SOLUTIONS*

## HOW IT WORKS

### FREE-FLOWING FOR FASTER INSTALLATION

Topflow Screed A is made with a recycled source of gypsum (calcium sulphate) rather than cement. It has a free-flowing fluid consistency and is applied by pump.

Floors are suitable for foot traffic within just 24-48 hours, while drying takes just 40 days, or sooner with force drying (available after only 7 days). Typical drying times are 1mm per day for depths of 40mm and 0.5mm per day for depths above 40mm.

### MORE BENEFITS. MORE APPLICATIONS

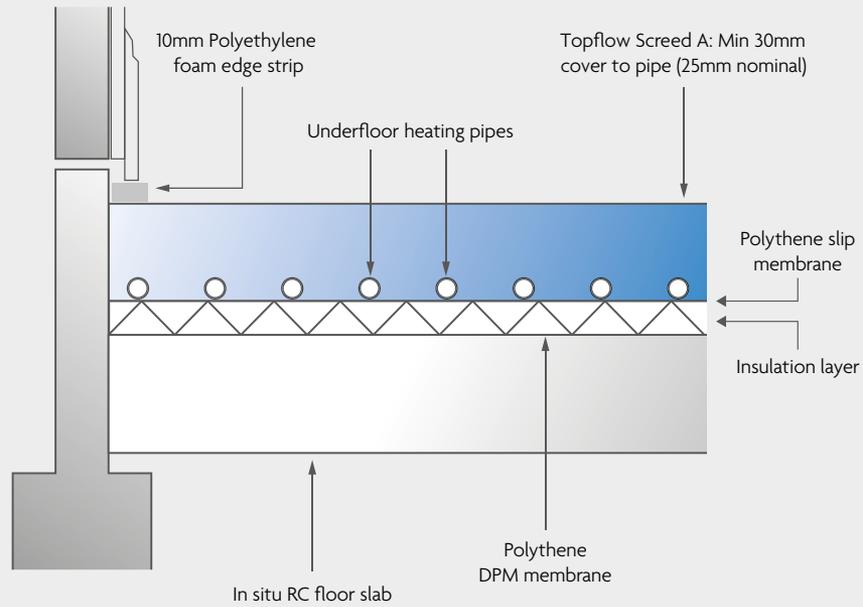
Topflow Screed A is perfect for a wide range of applications. Its high thermal conductivity and minimum thickness make it ideal for use with underfloor heating. Furthermore, because it's free from protein and doesn't harbour potentially harmful bacteria, it's also the natural choice for hospitals and care homes.

## **TOP SPEED**

Topflow Screed A can be laid in areas of up to 2,000m<sup>2</sup> in just one day.

### INSTALLATION OVER

### UNDERFLOOR HEATING SYSTEM





### Fast Installation

Free-flowing Topflow Screed A can be laid in areas of up to 2,000m<sup>2</sup> in just one day. It is suitable for foot traffic within 24-48 hours while partitions can be erected just seven days after placing.



### High Strength

Stronger than sand cement screed, Topflow Screed A requires no reinforcement and no manual compaction.



### Lower Depths

- Bonded 25mm
- Contact with substrate 30mm
- Unbonded 30mm
- Floating commercial 40mm
- Floating domestic 35mm
- Underfloor heating 30mm nominal cover to pipes



### Flexible Choices

New build and renovation work. Unbonded, bonded or floating construction. Residential and commercial. With or without underfloor heating. Whatever the requirement, Topflow Screed A gives you greater project flexibility.



### Low Shrinkage

Topflow Screed A is less prone to shrinkage than sand cement screeds and therefore requires fewer construction joints.



### More Sustainable

Topflow Screed A doesn't contain any cement and has an overall recycled content of 36%.

# OUR EXPERIENCE

## CENTURION COURT, WOODFORD, LONDON

### CHALLENGE

A development of 10 apartments close to Canary Wharf, the challenge at Centurion Court was threefold. The large natural stone tiles used on the floors would be prone to cracking should there have been movement within the screed, therefore a flooring solution with low shrinkage was required. In addition, due to the underfloor heating system, the screed also needed to have low thermal resistance. And finally, the contractor wanted to reduce the programme.

### SOLUTION

Topflow Screed A was specified for the flooring as it met the physical requirements, offering low shrinkage properties and low thermal resistance.

### RESULT

The screed was successfully laid with the floor tiles applied afterwards. The use of Topflow Screed A will prolong the performance of the tiles and ensure the overall aesthetic appearance of the floor. In addition it increased the speed of construction ensuring a shorter project time.



# APPLICATIONS

Topflow Screed A is a low shrinkage flowing screed made with recycled gypsum binder instead of cement. It's stronger, more versatile and more sustainable than conventional sand cement screeds. Four other proven formulations are also available in the range:

## TOPFLOW SCREED STEELDECK

- Designed specifically to be used with the Lewis Deck dovetail sheeting, for use with either timber, metal web or steel joists in masonry, timber or lightweight steel structures
- Perfect for ground, separating or mezzanine floor constructions
- Increased productivity and improved loading compared to floating floor treatments
- Easily accommodates underfloor heating within the screed zone
- No need for loading out prior to flooring

## TOPFLOW SCREED A SKY

- Designed for use in high rise buildings above 10 storeys
- Specially formulated to reduce moisture loss to pump lines and inline segregation
- Productivity up to 1,200m<sup>2</sup> per day
- Excellent underfloor heating performance compared to floating floors
- Minimum thermal expansion (0.012mm/mmK)

## TOPFLOW SCREED A XTR

- Designed for use with underfloor heating systems and where higher than usual loadings are expected
- Suitable for application as a floating screed
- Can be used in both domestic and commercial buildings
- Excellent thermal conductivity

## TOPFLOW SCREED A SOUNDBAR

- Designed specifically for use over timber joints both in masonry and timber framed designs
- Suitable for both commercial and residential projects where improved acoustic, loading and durability are required
- Up to 1,200m<sup>2</sup> laid per day
- Improved loading compared to timber batten floors
- Ideal for use with underfloor heating



### TOPFLOW SCREED A

- Binder made from 98% recycled material
- Lower carbon footprint than traditional cementitious screeds
- Suitable for use with low energy underfloor heating

# OUR SUPPORT

## FAQs

### ***Why choose Topflow Screed A over sand cement screed?***

Topflow Screed A is stronger than sand cement screed and faster to install. It can be laid thinner; using less material and making it perfect for use with underfloor heating.

### ***Exactly how much time can be saved?***

Free flowing Topflow Screed A can be laid in areas of up to 2,000m<sup>2</sup> in just one day. It is suitable for foot traffic within 24-48 hours, partitions can be erected just 7 days after placing while force drying can also take place after only 7 days. To save labour time, Topflow Screed A is also self-curing and self-compacting.

### ***How can it reduce shrinkage and cracking?***

Unlike sand cement screed which is often mixed on site by hand with inconsistent quality, Topflow Screed A is produced under BS EN 13454 and delivered to site by readymix truck. It is then pump-applied by Tarmac approved contractors.

### ***How can it reduce shrinkage and cracking?***

Unlike conventional sand cement screed that requires lots of joints and can only be laid in small bays of between 5-7 linear metres, Topflow Screed A follows the building construction joints up to 30-40 linear metres. This delivers very low shrinkage, minimal cracking and zero curling, easily achieving a surface finish of SR2 under BS 8204.

### ***Why is it more sustainable than conventional screeds?***

It doesn't contain any cement and has an overall recycled content of 36%.

### ***What's the benefit of protein-free?***

Being free from protein means Topflow Screed A does not harbour harmful bacteria, making it perfect for use in hospitals and care homes.

### ***Why is it so suitable for use with underfloor heating?***

Its fluid consistency allows it to flow freely around pipe work filling gaps without leaving voids.

## MORE ANSWERS

For more information about Tarmac TOPFLOW  
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