

# DAY JOINT REINFORCEMENT MESH

Provides effective crack control in ground bearing concrete slabs/ concrete screeds and reinforcement in concrete toppings.

## OVERVIEW

**TEKCEM DAY JOINT REINFORCEMENT MESH** is a mesh reinforcement used to provide crack control in ground bearing concrete slabs/concrete screeds and as a reinforcement in structural toppings and screeds forming part of a preformed suspended floor system.

Supplied in 2400x550mm strips it is easy to handle and cut. Can be used as a direct replacement for D49 mesh.

## BFRP

TEKCEM DAY JOINT REINFORCEMENT MESH is a composite made of basalt fibre-reinforced polymer rods (BFRP).

BFRP has a tensile strength of between 1250 and 1350 MPa. This is almost 2½ time stronger than steel mesh whilst being some six times lighter (360g/m<sup>2</sup> opposed to 2220g/m<sup>2</sup>).

This ultimately means that thinner diameters of mesh may be used in place of steel mesh for crack control of ground bearing concrete slabs.

## TECHNICAL DATA

Packaging	Supplied in strips / rolled
Strip Size	2400mm x 550mm
No. of strips per bundle	24
Colour	Black mesh

## BENEFITS

- Lightweight; 6 x lighter than steel.
- Strong; twice as strong as steel.
- Does not corrode.
- 40 times less CO<sub>2</sub> to produce compared to steel.
- Easy to handle & cut - no H&S issues.
- Able to transport 135m<sup>2</sup> on a single pallet.



## ADDITIONAL INFORMATION

TEKCEM DAY JOINT REINFORCEMENT MESH may be used as a direct replacement for D49 mesh; used in exactly the same way but only laps of 100mm are recommended.

TEKCEM DAY JOINT REINFORCEMENT MESH does not have welded connections. Each BFRP wire is continuous and jointed with a patented connection nodule. The mesh lies completely flat once taken off the roll and can be easily cut with a set of pliers.

NB: As in the case of steel reinforcing bars and welded wire reinforcement, TEKCEM DAY JOINT REINFORCEMENT MESH will not prevent cracking. Both forms of reinforcement are inactive until such a time that the concrete cracks. If/when the concrete cracks the reinforcement becomes active and restricts the width of the crack, thereby preventing the screed from curling.

TEKCEM DAY JOINT REINFORCEMENT MESH should be supported and tied together to reduce movement during screed pouring to maintain correct placement within the screed.

## WARNING

The information provided in this datasheet corresponds to the best of our knowledge and experience. Whilst it is true and accurate to the best of our knowledge, it may contain information which is unsuitable under certain circumstances since materials, site conditions and method of application vary with each application.

TEKCEM LTD cannot be held responsible for any loss or damage due to incorrect use or from the possibility of variations in working conditions and/or workmanship beyond our control. The user alone is responsible for any consequences deriving from the product.

Updated: 24/11/2019

## SETTING NEW LEVELS

The Screed Development Centre  
Unit 1 Power Park, Commercial Road  
Goldthorpe Industrial Estate  
Rotherham, S63 9BL

Full installation guide can be found on our website:

[WWW.TEKCEM.CO.UK](http://WWW.TEKCEM.CO.UK)  
[WWW.TEKFLOOR.CO.UK](http://WWW.TEKFLOOR.CO.UK)  
Sales: 01709 261 007  
Technical: 03300 553 714