



In the past welded wire steel reinforcement provided crack control in screeds. Now Orlimex offer an easy to use Basalt Fibre Reinforced Polymer (BFRP) mesh reinforcement - ORLITECH.

BENEFITS

- 6 x lighter than steel
- Twice as strong as steel
- Does not corrode
- 40 times less CO₂ production than steel
- Easy to handle & cut - No H&S issues
- Transport 135M² on a pallet
- Roll Sizes: 0.75M x 30M

Cementitious screeds dry from the top surface down, when cracks occur this can result in curling of the screed.

For control of shrinkage cracking, ORLITECH mesh reinforcement 2.2mm x 100mm x 100mm can be used as a direct replacement for D49 mesh, used in exactly the same way but laps of only 100mm are recommended.

ORLITECH mesh does not have welded connections, each BFRP wire is continuous and jointed with a patented connection nodule. ORLITECH mesh lies completely flat once taken off the roll and can be easily cut with a pair of pliers.

As in the case of steel reinforcing bars, and welded wire reinforcement, ORLITECH mesh will not prevent cracking. Both forms of reinforcement are inactive until such a time that the concrete cracks. If the concrete cracks the reinforcement becomes active and restricts the width of the crack and prevents the screed from curling.

ORLITECH reinforcement should be supported and tied together to reduce movement during installation of the screed to maintain correct placement within the screed.

For use as reinforcement / crack control within ground bearing slabs use 3mm 100mm x 100mm ORLITECH mesh, see separate information. ([Ground Bearing Slabs](#))

ORLITECH mesh has a very low co-efficient of thermal expansion which makes it highly suitable for use with underfloor heating systems. Pipework can be clipped to ORLITECH mesh without the problem of expansion and contraction which could cause cracking if steel reinforcement was used.