



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 144M² on a pallet
- Roll Sizes: 0.80M x 30M

Anhydrite (gypsum) and calcium sulphate screeds do not suffer from the same amount of drying shrinkage (and curling) as cement based screeds. However, where liquid screeds are to be applied over existing refurbished floors ORLITECH mesh is a good alternative to lightweight glass fibre mesh or steel.

ORLITECH mesh is also the perfect partner for liquid screeds where underfloor heating is to be used. Pipework can be attached to the mesh either on top of insulation or existing concrete surfaces. ORLITECH mesh has a very low co-efficient of linear thermal expansion so does not expand and contract in the same way as steel, which could result in cracking or delamination.

For reinforcement of liquid screeds especially for under floor heating and where poor existing concrete surfaces are encountered. ORLITECH mesh reinforcement 2.2mm x 50mm x 50mm can be used to reinforce liquid screeds providing a robust finished screed.

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.

For structural use, larger diameter mesh is provided - due to the increased tensile strength of BFRP a smaller diameter mesh can be used as opposed to that of steel. For load bearing slabs, we recommend that we provide you with a structural calculation to ensure the best alternative is used.