

Restec Fibreglass CSM Technical Datasheet

1. Application

Restec Fibreglass Chopped Strand Matting is used to provide reinforcement to the Restec Roofing System's range of liquid roofing products, including the GRPRoof, GRPRoof Platinum, Flexitec and Flexitec Platinum systems.

2. Description

Restec Fibreglass CSM comprises of randomly distributed chopped glass strands that are bound with an emulsion binder. Restec Fibreglass CSM is the required reinforcement used in Restec's liquid waterproofing membranes. Restec Fibreglass CSM is specially designed for compatibility with Restec's liquid resin systems (GRPRoof, GRPRoof Platinum, Flexitec, Flexitec Platinum). Without Restec Fibreglass CSM, these systems do not achieve their full performance and cannot be considered a complete system. Use of other types of reinforcement invalidates the approvals held by the Restec liquid waterproofing systems, as well any associated manufacturer guarantee.

3. Product Specifications

Product	Weight Tolerance (%)	Moisture Limit (%)	Size Content (%)	Breakage Strength (N)
Fibreglass CSM 225g/m ²	+/- 7.5%	< 20	4.4 (1 +/- 31%)	>80
Fibreglass CSM 450g/m ²	+/- 7.5%	< 20	4.4 (1 +/- 31%)	>140
Fibreglass CSM 600g/m ²	+/- 7.5%	< 20	4.4 (1 +/- 31%)	> 160
<i>Test Method</i>	<i>ISO 3374</i>	<i>ISO 3344</i>	<i>ISO 1887</i>	<i>ISO 3342</i>

4. Features & Benefits

- Rapid break-down of the binder when consolidated with resin for exceptionally quick detailing work
- Easy to consolidate (wet-through) for quick lay
- Imparts high mechanical strength into the finished membrane

5. Recommendations

Read the full Restec Roofing System application manual before use. Wear PPE and observe all safety instructions.

- It is important that fibreglass CSM reinforcement is stored in dry conditions. Before use, inspect the mat to ensure there are no damaged, defective or wet areas present
- Carefully measure the roof and assess how many strips of mat are needed, while allowing a 50mm overlap on each width of the mat.
- Carefully remove the mat from its polythene bag and lay on a clean dry surface. Roll out the required length - if possible always working with the fall of the roof (matting strips running perpendicular to the fall of the roof to avoid holding water).
- Cut with a straight edge and a very sharp Stanley type knife, taking care to protect the roof deck or surface below. Re-roll the cut piece and store in a clean, dry place. Cut all you need for the roof before you start mixing the resin.
- The matting has one straight cut edge and one feathered (torn) edge. When overlapping rolls of mat, a feathered edge should go over a straight edge. The overlap must not be less than 50mm otherwise a weak spot will be created.