



## M123

### Chopped Strand Mat for Hand Lay-up

This product is produced using Advantex® glass fiber. Advantex® glass fiber combines the electrical and mechanical properties of traditional E-glass with the acid corrosion resistance of E-CR glass.

#### PRODUCT DESCRIPTION

The M123 chopped strand mat is made with medium size strands of Advantex® Glass Roving, held together by a powder binder which is extremely soluble in styrene. The basic strand has a sizing system containing a silane coupling agent. This sizing system combined the binder properties make M123 suitable with epoxy, vinylester and anti-corrosion resins.

Advantex® glass is a patented glass formulation meeting ASTM D 578 as a boron-free corrosion resistant E-CR glass fiber and ISO 2078 recommendation for use in acid environments.



#### PRODUCT REFERENCE

Example : M123 300-130 1B  
M123 : Owens Corning product code  
300 : surface weight (g/m<sup>2</sup>)  
130 : roll width (cm)  
1B : number of trimmed edges (zero, one or two)

#### FEATURES AND PRODUCT BENEFITS

- |   |  |
|---|--|
| • Good drapability  | • Good resistance to watering and chemical agents in anti-corrosion applications |
| • Easy impregnation   | • Approved by Lloyd's Register   |
| • High tensile strength, suitable for filament winding or continuous laminating | • Approved by Det Norske Veritas   |
| • Excellent clarity of the UP laminates   | • Approved by Croatian Register  |

#### TECHNICAL CHARACTERISTICS (NOMINAL VALUES)

WEIGHT (G/M <sup>2</sup> )	LOSS ON IGNITION (%)	MOISTURE - MAX VALUE(%)
ISO 3374: 2000	ISO 1887: 1995	ISO 3344: 1997
225 ± 20%	4.5 ± 40%	0.2
300 ± 20%	3.5 ± 40%	
450 ± 20%	3.2 ± 40%	

#### VISUAL CHARACTERISTICS OR POSSIBLE DEFECTS

- Unbound edges
- Holes (> 40mm) or tears
- Dirt spots (greater than 5 mm)
- Unopened strands
- Accumulation of fiber (>40mm)

Each 100 m<sup>2</sup> roll of chopped strand mat section may contain at most six of the defects listed above.

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### PRODUCT AVAILABILITY (ROLL CHARACTERISTICS)

Additional weights (from 80 to 900 g/m<sup>2</sup>) and widths (from 10 to 320 cm) are available upon request.

STANDARD WEIGHT (G/M <sup>2</sup> )	STANDARD WIDTH (CM)	DIAMETER (CM)	LENGTH	WEIGHT (KG)
300	130/125	40	220	86
450			150	88
600			110	86

A roll is considered to be complete if it measures more than 70% of the nominal length

### PACKAGING (STANDARD REF.)

- Each roll is wound on a cardboard tube (internal diameter 101 mm) and packaged in an individual cardboard box, 40 x 40 (L x W); the height is equal to the width of the mat.
- Nine standard rolls are packed vertically on a pallet, secured by shrink-wrap polythene. The pallet is wrapped with polyamide straps.

MAT WIDTH	PALLET DIMENSIONS	NET PALLET WEIGHT (KG)		
(cm)	L x W x H (cm)	300 g/ m <sup>2</sup>	450 g/m <sup>2</sup>	600 g/m <sup>2</sup>
130	120x120x(130 + 17)	774	792	774

Special packaging: Strips are packed in cardboard boxes or palletized, according to the quantity.

### LABELING

Each pallet shall bear two labels with this information: product reference, net and gross weight in kg, packaging and product code, identification code of the palletized unit, and production date.

### STORAGE

The M123 mat should be stored in its original packaging in a dry and cool place. Best conditions are at temperature from 10 to 35°C and humidity between 35 and 85%. If you store the product at lower temperatures, please move the soon-to-be-processed pallets to the production area 24 hours ahead of time; remove part of the protective cover of each roll to prevent condensation. You can stock pallets one on one with a plywood plank between the two.

#### Contact

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