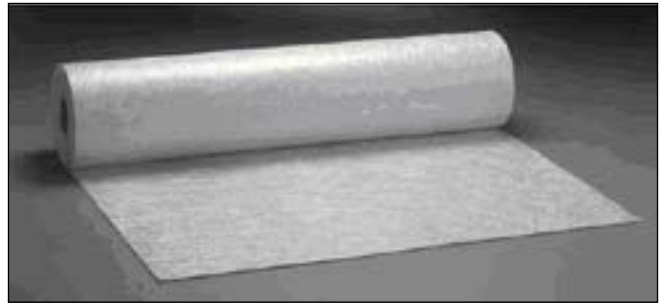# M123
Chopped Strand Mat for Hand Lay-up

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.

PRODUCT REFERENCE

Example : M123 300-130 1B
M123   : OCV™ Reinforcements product code
300   : roll weight (g/m2)
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/M²)	LOSS ON IGNITION (%)	MOISTURE - MAX VALUE(%)
ISO 3374: 2000	ISO 1887: 1995	ISO 3344: 1997
225 ± 20%	4.5 ± 40%	
300 ± 20%	3.5 ± 40%	0.2
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 m2 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/m2) and widths (from 10 to 320 cm) are available upon request.

STANDARD WEIGHT (G/M²)	STANDARD WIDTH (CM)	DIAMETER (CM)	LENGTH	WEIGHT (KG)
300			220	86
450	130/125	40	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/ m2	450 g/m2	600 g/m2
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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OCV™ Reinforcements