



INNOVATIONS FOR LIVING™

## PRODUCT INFORMATION

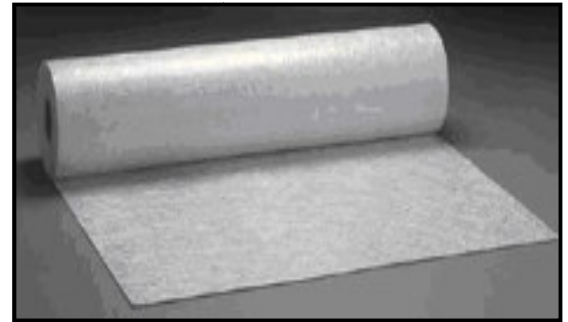
# E-CSM

## Light Weight Chopped Strand Mat for Hand-Lay Up

### PRODUCT DESCRIPTION

E-CSM is made from E-glass low size chopped strands held together by an emulsion binder which makes it perfectly suitable for use with polyester resins.

The basic strand has a sizing system containing a silane coupling agent.



### PRODUCT REFERENCE

Example :E-CSM 100-130 1ST

E-CSM :OCV Reinforcements™ code for this chopped strand mat

100 :roll weight (g/m<sup>2</sup>)

130 :roll width (cm)

1ST :number of trimmed edges (zero, one or two)

### FEATURES AND PRODUCT BENEFITS

- Very high smoothness of the laminate surface
- Good drapability
- Good compatibility with vinylester and epoxy resins.
- Highly suitable for good surface appearance
- Highly suitable for first layer with gel coat

### TECHNICAL CHARACTERISTICS (nominal values)

WEIGHT (G/M <sup>2</sup> )	LOSS ON IGNITION (%)	MOISTURE (%)
ISO 1889	ISO 1887	ISO 3344
100 ± 10%	5,4 ± 25%	0.3
150 ± 10%	4,8 ± 25%	
200 ± 10%	4,5 ± 25%	

Specifications on average values.

### VISUAL CHARACTERISTICS or POSSIBLE DEFECTS

All the visible defects of the chopped strand mat are classified as visual defects. The maximum number of visual defects allowed for a 100m<sup>2</sup> roll is 10. Possible defects are:

- Unbound edges
- Holes (> 40mm) or tears
- Dirt spots (greater than 5mm)
- Unopened strands
- Accumulation of fibers (>40mm) or binder (>20mm)

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### PRODUCT AVAILABILITY

STANDARD WEIGHT (G/M <sup>2</sup> )	STANDARD WIDTH (CM)	DIAMETER (CM)	ROLL WEIGHT (KG)	PALLET WEIGHT (KG)
100	130	28	26	416
150			29	468
200			41	655

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

### PACKAGING

- Each roll is wound up on a cardboard tube (internal diameter 101 mm) and packaged in an individual cardboard box. Box length is approximately equal to the width of the mat.
- Standard palletisation versions
  - Sixteen vertical rolls per 114 x 114cm pallet and
  - Twelve horizontal rolls per 114 x 135cm pallet
- In each case the boxes are protected by shrinkwrap polythene and secured using polyamide straps
- In order to maintain appropriate inventory control we are obliged to supply these palletisation versions in approximately 1 : 1 ratio.

### LABELING

Each pallet has two identification labels detailing the product reference, the net and gross weights in Kg, packaging and product code, identification code of the palletized unit, production date.

### STORAGE

The 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 in between the two.



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