

## Powder Chopped Strand Mat



To form Chopped Strand Mat (CSM) the chopped strands, about 50mm in length, are evenly laid on the forming belt and are bounded together by a kind of special binder. It is characterised by all-direction reinforcing effects, good resin conformity, easy bulb realise ability, and good formability while it is applied for F.R.P. by either hand lay-up or laminating process.

### Specifications

- Standard Weights (g/m<sup>2</sup>): 300, 380, 450 and 600
- Standard Weights (oz/sq yd): 8.7, 11, 13 and 17.4
- Binder type: powder
- Quality - tested under ISO 3374, 1887, 3342, 3344 - data sheet available on request.

### Technical Characteristics (Emulsion and Powder)

| Product No. | Glass Type | Binder Type | Loss on Ignition (%) | Moisture Content (%) | Available Density |
|-------------|------------|-------------|----------------------|----------------------|-------------------|
| CSM-1       | C          | Powder      | < 8                  | < 0.3                | 250 - 600         |
| CSM-2       | E          | Powder      | 3 - 5                | < 0.2                | 150 - 900         |
| CSM-3       | C          | Emulsion    | < 8                  | < 0.3                | 250 - 600         |
| CSM-4       | E          | Emulsion    | 3 - 5                | < 0.2                | 225 - 900         |

### Individual and Bulk Packaging

| Product No. | Density (g/m <sup>2</sup> ) | Available Width (mm) | Packing (kg/carton)   | Cartons per 20ft Container | Cartons per 40ft Container |
|-------------|-----------------------------|----------------------|---|----------------------------|----------------------------|
| CSM-1       | 250, 300                    | 1040                 | 28  | 304                        | 640                        |
| CSM-1       | 380 - 600                   | 1040                 | 30  | 304                        | 640                        |
| CSM-3       | 250, 300                    | 1040, 1250           | 30  | 274                        | 576                        |
| CSM-3       | 450, 600                    | 1040, 1250           | 33  | 274                        | 576                        |
| CSM-2       | 150, 200                    | 1040, 1270           | 25, 30  | 259, 216                   | 539, 441                   |
| CSM-2       | 225                         | 1040, 1270           | 27, 32  | 259, 216                   | 539, 441                   |
| CSM-2       | 300 - 900                   | < 3175               | The weight per roll and the number of rolls per 20ft and 40ft container depends on the width required. Packing is usually on pallets. |                            |                            |
| CSM-4       | 225 - 900                   | < 2540               |   |                            |                            |