UNICOAT CSM

FIBRE GLASS CHOPPED STRAND MAT



Product Features

UNICOAT CSM (chopped strand mat) is a non-woven glass fibre mat made from chopped glass strands, randomly distributed and held together with a binder. It is available in emulsion-bound and powder-bound grades.

UNICOAT CSM is used as the reinforcement layer in liquid-applied waterproofing systems. Embedded between coats, it takes up the coating evenly, bridges hairline cracks and adds tear and puncture resistance to the finished membrane.

The mat conforms easily to corners, upstands and uneven surfaces, and is supplied in 100, 225 and 450 g/m² grades to suit the required membrane thickness.

How it is used: apply the first coat of waterproofing, lay **UNICOAT CSM** into the wet coat and press it in with a roller until it is fully wetted out with no air pockets, then apply the next coat over it. Overlap adjacent lengths by at least 50 mm.

Grade guide: CSM 100 for detailing at corners, joints and upstands; CSM 225 for general roof and wet-area waterproofing; CSM 450 for heavy-duty or high-build systems.

Advantages

Superior Mechanical Strength	Cost-Effective
High Resin Absorbency	Versatile Application Use
Excellent Conformability	Customizable Options
Uniform Material Distribution	Reliable Bonding
Emulsion & Powder Bound Grades	Long-Lasting Durability

Fields of Application

Roof Slabs & Gutters	Water Tanks
Wet Areas & Bathrooms	Corners & Upstands
Podium & Terrace Decks	Crack & Joint Reinforcement
Planter Boxes	Re-roofing & Repairs

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Technical Properties

Property	Test Method	CSM 100	CSM 225	CSM 450
Mass Per Unit Area	ISO 3374 - 2000	100g/m² ± 7.5%	225g/m² ± 7.5%	450g/m² ± 7.5%
Loss on Ignition	ISO 1887 - 1995	3.5% ± 2.0	4.4% ± 1.4	3.7% ± 1.1
Moisture Content	ISO 3344 - 1997	0.2% Max	0.2% Max	0.2% Max
Tensile Strength (min)	ISO 3342 - 1995	50 N/50mm	80 N/50mm	140 N/50mm

Physical Properties

Material	:	Chopped glass fibres with emulsion or powder binder
Colour	:	White
Size	:	UNICOAT CSM 100 : 1M X 50M UNICOAT CSM 225 : 1.3M X 126M UNICOAT CSM 450 : 1.04M X 64M
Weight	:	UNICOAT CSM 100 : approx. 5kg UNICOAT CSM 225 : approx. 37kg UNICOAT CSM 450 : approx. 30kg

Important Note / Special Note

- Wear gloves, long sleeves and goggles to protect against fibre dust and skin irritation.
- Avoid contact with skin and eyes, and avoid breathing in fibre dust. Cut the mat in a well-ventilated area.
- If fibres get on the skin, rinse with cold water and do not rub. Remove and wash contaminated clothing.
- If eye irritation persists after rinsing with clean water, seek medical advice.

This technical data sheet is given in good faith and does not guarantee the application work.
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It is the user's responsibility to obtain the latest version of the information required.

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Shelf Life & Storage

UNICOAT CSM has a shelf life of **12 months** when stored in its original packaging in a dry, covered area. Keep away from moisture, rain and direct sunlight.

Site Photos







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