VABREN

Cement Blanket

Concrete blanket / geosynthetic cementitious composite mat (GCCM)

General needle-punched type. Technical specification compiled from the supplied performance schedule on 15 October 2026. Values below are requirements, not measured batch test results.

MASS GRADES AND FLEXURAL REQUIREMENTS

Nominal mass (kg/m²)	Superior product Flexural strength (MPa)	Qualified product Flexural strength (MPa)
15	≥2.0	≥1.5
12	≥1.8	≥1.3
10	≥1.6	≥1.1
8	≥1.4	≥0.9
6	≥1.2	≥0.8

REQUIREMENTS SHARED BY THE LISTED MASS GRADES

Property	Specification requirement
Mass per unit area	Not less than 92% of the nominal value
Peel strength	≥30 N/m
Tensile strength	≥7.0 kN/m
Impact resistance	No visible cracks or damage
Water resistance	General type: slight seepage. Waterproof type: no wet marks or water droplets on the back of the specimen.
Freeze-thaw resistance	No visible cracks, spalling or powdering; reduction in flexural strength ≤20%.
Reaction to fire	Not lower than Class B1 specified in GB 8624, as stated in the supplied schedule.

ORDER AND DOCUMENT CONFIRMATION

Specify the nominal mass grade, superior or qualified product category, general or waterproof construction, required thickness and roll dimensions, quantity, application and destination. Provide the project drawings and test requirements.

The source schedule does not state test methods, test age, water pressure/duration, freeze-thaw cycles or GB 8624 edition. Confirm these conditions and supporting test/classification documents for the order. The listed reaction-to-fire requirement is not a certificate or a fire-resistance duration rating.

Mass per unit area is not thickness. Hydration water quantity, working time, curing period, joint dimensions and fixing details require the selected product installation procedure; they cannot be inferred from this schedule.

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