Voltite© Waterproofing Solutions

VOLTITE CM

Voltite CM is a mechanically bonded composite, consisting of concrete-sand mix, embedded and fixed between two layers of geo-textile.

PROPERTIES OF GEOTEXTILE

Carrier Layer – PP Nonwoven Composite EN ISO 9864	**350 g/m²**
Cover Layer – PP Nonwoven EN ISO 9864	**200 g/m²**

PROPERTIES OF CONCRETE

Chemical Composition XRF	**Sand Cement Mix**
Density Typical	**1,42 g/cm³**
Setting Start PN-EN 196-3	**> 90 min**

PROPERTIES OF VOLTITE CM(1)

Tensile Strength MD/CMD EN ISO 10319	**≥ 20,0 / 20,0 Kn/m (±10%)**
CBR Puncture Strength EN ISO 12236	**≥ 3,0 Kn (±10%)**

PROPERTIES OF VOLTITE CM(2)

Compressive Strength ASTM C 109-02	**40 Mpa**
Bending tests based PN EN 12467:2016-08 5.4.3	**6,0 MPa – Class 1**
Water Impermeability PN EN 12467:2016-08 5.4.5-6	**No drop of water**
Durability against Freeze-thaw PN EN 12467:2016-08 5.5.2	**R_L ≥ 0,75 Pass**
Durability against Heat-rain PN EN 12467:2016-08 5.5.3	**R_L ≥ 0,75 Pass**
Durability against warm water PN EN 12467:2016-08 5.5.4	**R_L ≥ 0,75 Pass**
Durability against Soak-dry PN EN 12467:2016-08 5.5.5	**R_L ≥ 0,75 Pass**
Reaction to Fire PN EN 12467:2016-08 5.6	**B-s1, d0***

Properties of Voltite CM(1)	Voltite CM 7	Voltite CM 9	Voltite CM 10	Voltite CM 12
Mass per unit area of concrete EN 14196	7000 g/m2 (±10%)	9000 g/m2 (±10%)	10000 g/m2 (±10%)	12000 g/m² (±10%)
Mass per unit area of Voltite CM EN 14196	7550 g/m2 (±10%)	9550 g/m2 (±10%)	10550 g/m2 (±10%)	12550 g/m² (±10%)
Thickness EN ISO 9863-1/-2	7,0 mm (±1mm)	9,0 mm (±1mm)	10,0 mm (±1mm)	12,0 mm (±1mm)

Standard Roll Dimensions	**Test Method**	**Value**
Width x Length	Typical	(5,0 x 20) m / (2,5 x 20) m
Quantity	Typical	100 / 50 m²

(1) Before hydration (2) After hydration *complies with EN 13501-1

The data are average values derived from standard tests and are subject to usual product variation. The right is reserved to make changes without notice at any time.

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