

TECHNICAL DATA SHEET

TILTEX Plus

Mechanically bonded composite, consisting of concrete-sand mix, embedded and fixed between two layers of geo-textile and glued to a PE membrane (type A in accordance with EN 13967+A1:2012).

ESSENTIAL CHARACTERISTICS					
Properties of TILTEX ⁽¹⁾	TILTEX 7	TILTEX 9	TILTEX 10	TILTEX 12	
Mass per unit area EN 14196	7600 g/m ² (±10%)	9600 g/m ² (±10%)	10600 g/m ² (±10%)	12600 g/m ² (±10%)	
Thickness EN ISO 9863-1/-2	7,0 mm (±1mm)	9,0 mm (±1mm)	10,0 mm (±1mm)	12,0 mm (±1mm)	
Tensile Strength MD/CMD	EN ISO 10319		20,0 / 20,0 kN/m (-2 kN/m)		
Elongation at break MD/CMD	EN ISO 10319		40 / 40 % (-10%)		
CBR Puncture Strength	EN ISO 12236		3,0 kN (-0,3 kN)		
Dynamic puncture resistance	EN 13433		0 mm (+1 mm)		
Protection efficiency	EN 14574		5,0 kN (-0,5 kN)		
Durability ⁽²⁾	EN 12226		NPD		
	EN 12224		NPD		
Dangerous substances ⁽²⁾	PN EN 12467:2016-8 5.6.2		NPD		
ADDITIONAL CHARACTERISTICS ⁽²⁾					
Setting start	PN-EN 196-3		> 90 min		
Compressive Strength	PN EN 196-1		40 Mpa		
Bending Strength	PN EN 12467:2016-08 5.4.3		6,0 MPa – Class 1		
Water permeability	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*		
Resistance to Roots	PD CEN/TS 14416:2014		Passed		
Manning's Value	ASTM D 6460		n = 0,022		
Standard Roll Dimensions	Test Method		Value		
Width x Length	Typical		5,0 x 20 m (±2%)	2,5 x 20 m (±2%)	1,0 x 5,0 m (±2%)
Quantity	Typical		100 m ²	50 m ²	5 m ²

EN 13253, EN 13254, EN 13255, EN 13256, EN 13257 - (System 2+)

(1) before hydration (2) after hydration *complies with EN 13501-1 **Manufacturer can use foil in range of 0,2 –2,0

These 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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