

TECHNICAL DATA SHEET

TILTEX P

Mechanically bonded composite, consisting of concrete-sand mix, embedded and fixed between two layers of geo-textile.

ESSENTIAL CHARACTERICTICS					EN 13253, EN 13254, EN 13255, EN 13256, EN 13257 - (System 2+)
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		4,0 kN (-0,4 kN)		
Dynamic puncture resistance	EN ISO 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		80 Mpa		
Bending Strength	PN EN 12467:2016-08 5.4.3		14,5 MPa – Class 1		
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

(1) before hydration (2) after hydration *complies with EN 13501-1

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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