

TECHNICAL DATA SHEET

TILTEX

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

| 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

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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