

BauderTHERMOPLAN T20

Technical data sheet

| | | |
|---------------------|---|------------------------------------|
| Type of application | FPO/TPO waterproofing membrane for loose laying, mechanically fixed or under ballast | |
| Surface | Top | silver grey similar RAL7001 |
| | Bottom | Black |
| Reinforcement | Type | Synthetic PES fibre fabric |
| Article number | 6620 1150 | |

| Characteristic | Test method | Value | |
|---|---|---------------------------------|--------------|
| Visible defects | EN 1850-2 | no visible defects | |
| Length | EN 1848-2 | 20 m (-0/+5%) | |
| Width | EN 1848-2 | 1,5 m (-0,5/+1 %) | |
| Straightness | EN 1848-2 | < 50 mm | |
| Flatness | EN 1848-2 | < 10 mm | |
| Mass per unit area | EN 1849-2 | 2,4 kg/m ² (-5/+10%) | |
| Effective thickness | EN 1849-2 | 2,0 mm (-5/+10%) | |
| Water tightness | EN 1928 Method B | passed | |
| External fire performance | CEN/TS 1187 | npd | |
| Reaction to fire | EN 13501-1 | class E according EN 13501-1 | |
| Joint peel resistance | EN 12316-2 | ≥ 300 N | |
| Joint shear resistance | EN 12317-2 | ≥ 500 N | |
| Tensile force | md | EN 12311-2 A | ≥ 1200N/50mm |
| | cd | EN 12311-2 A | ≥ 1200N/50mm |
| Elongation at maximum tensile force | md | EN 12311-2 A | ≥ 19 % |
| | cd | EN 12311-2 A | ≥ 19 % |
| Resistance to impact | hard surface | EN 12691 | > 900mm |
| | soft surface | EN 12691 | > 1250 mm |
| Resistance to static load | hard surface | EN 12730 | ≥ 20 kg |
| | soft surface | EN 12730 | ≥ 20 kg |
| Tear resistance | EN 12310-2 | > 400 N | |
| Resistance to root penetration | EN 13948 | FLL passed | |
| Dimensional stability | EN 1107-2 | < 0,3 % | |
| Foldability at low temperature | EN 495-5 | ≤ -30 °C | |
| UV exposure (> 5000 h) | EN 1297 | passed | |
| Durability Watertightness after artificial ageing | EN 1296 acc. EN 1928 (Method B 24h/60kpa) | passed | |
| Durability Watertightness after exposure to chemicals | EN 1847 acc. EN 1928 (Method B 24h/60kpa) | passed | |
| Hail resistance | hard surface | EN 13583 | 31 m/s |
| | soft surface | EN 13583 | 42 m/s |
| Water vapour properties ¹⁾ | EN 1931 | 200000 (±30%) | |
| Exposure to bitumen | EN 1548 | passed | |
| Nail Shaft test | EN 12310-1 | > 700 N | |

¹⁾The characteristic meant is the moisture resistance factor μ .



Identification number of the certification body: 0800

09

CPR – 51213; EN 13956 / CPR – 51214; EN 13967

Unique Code: BauderTHERMOPLAN T20 - 03