

# BauderTHERMOFOL U24

## Technical data sheet

|                     |   |                                    |
|---------------------|---|------------------------------------|
| Type of application | <b>PVC-P waterproofing membrane for loose laying, mechanically fixed or under ballast</b> |                                    |
| Surface             | Top   | <b>light grey similar RAL 7035</b> |
|                     | Bottom  | <b>Dark grey</b>                   |
| Reinforcement       | Type  | <b>Synthetic PES fibre fabric</b>  |
| Article number      | <b>6124 0000</b>  |                                    |

| Characteristic  | Test method                               | Value                           |               |
|---|---|---------------------------------|---------------|
| Visible defects                                       | EN 1850-2                                 | no visible defects              |               |
| Length  | EN 1848-2                                 | 15 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                                 | 2,9 kg/m <sup>2</sup> (-5/+10%) |               |
| Effective thickness                                   | EN 1849-2                                 | 2,4 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                                | ≥ 200 N                         |               |
| Joint shear resistance                                | EN 12317-2                                | ≥ 600 N                         |               |
| Tensile force   | md  | EN 12311-2 A                    | ≥ 1000 N/50mm |
|   | cd  | EN 12311-2 A                    | ≥ 1000 N/50mm |
| Elongation at maximum tensile force                   | md  | EN 12311-2 A                    | ≥ 20 %        |
|   | cd  | EN 12311-2 A                    | ≥ 20 %        |
| Resistance to impact                                  | hard surface                              | EN 12691                        | > 800mm       |
|   | soft surface                              | EN 12691                        | > 1000 mm     |
| Resistance to static load                             | hard surface                              | EN 12730                        | ≥ 20 kg       |
|   | soft surface                              | EN 12730                        | ≥ 20 kg       |
| Tear resistance                                       | EN 12310-2                                | > 300 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 (> 1000 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                        | >42 m/s       |
|   | soft surface                              | EN 13583                        | > 55 m/s      |
| Water vapour properties <sup>1)</sup>                 | EN 1931                                   | 20000 (±30%)                    |               |
| Nail Shaft test                                       | EN 12310-1                                | > 700 N                         |               |

<sup>1)</sup>The characteristic meant is the moisture resistance factor  $\mu$ .



Identification number of the certification body: 0800

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

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