

# Technical data sheet

## BauderTHERMOPLAN T 15

### FPO Roofing membrane



24/03/2026

|                                      |  |                      |
|--------------------------------------|--|----------------------|
| <b>Product description</b>           | Polyester reinforced flexible polyolefin membrane (FPO), an alloy of thermoplastic and rubber.                   |                      |
| <b>Application fields</b>            | Membrane can be mechanically fastened, adhered or loose-laid ballasted. Can be used under green roof landscaping |                      |
| <b>Surface</b>                       | top:   | pearl white RAL 1013 |
|                                      | bottom:  | black                |
| <b>Reinforcement type and weight</b> | synthetic reinforced polyester   |                      |
| <b>Article number</b>                | 6615 0150  |                      |
| <b>Website link</b>                  | <a href="https://www.bauder.co.uk/products/thermoplan-t">https://www.bauder.co.uk/products/thermoplan-t</a>      |                      |



| Characteristic                            | Test method  | Unit              | Value              |
|---|--------------|-------------------|--------------------|
| Visible defects                           | EN 1850-2    | -                 | no visible defects |
| Length                                    | EN 1848-2    | m                 | 20 (-0/+5%)        |
| Width                                     | EN 1848-2    | m                 | 1,5 (-0,5/+1%)     |
| Straightness                              | EN 1848-2    | mm                | < 30               |
| Flatness                                  | EN 1848-2    | mm                | < 10               |
| Mass per unit area                        | EN 1849-2    | kg/m <sup>2</sup> | 1,8 (-5/+10%)      |
| Effective thickness                       | EN 1849-2    | mm                | 1,5 (-5/+10%)      |
| Water tightness                           | EN 1928 - B  | -                 | passed             |
| Reaction to fire                          | EN 13501-1   | -                 | class E            |
| Joint peel resistance                     | EN 12316-2   | N/50mm            | ≥300               |
| Joint shear resistance                    | EN 12317-2   | N/50mm            | ≥500               |
| Tensile strength Id                       | EN 12311-2 A | N/50mm            | ≥1200              |
| Tensile strength td                       | EN 12311-2 A | N/50mm            | ≥1200              |
| Elongation Id                             | EN 12311-2 A | %                 | ≥19                |
| Elongation td                             | EN 12311-2 A | %                 | ≥19                |
| Resistance to impact hard surface         | EN 12691     | mm                | ≥700               |
| Resistance to impact soft surface         | EN 12691     | mm                | ≥950               |
| Resistance to static loading hard surface | EN 12730     | kg                | ≥20                |
| Resistance to static loading soft surface | EN 12730     | kg                | ≥20                |



Notified body: MFPA Leipzig, 0800  
EN 13956 : 2012, EN 13967 : 2012

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| Characteristic  | Test method                     | Unit | Value  |
|---|---------------------------------|------|--|
| Tear resistance (length)                              | EN 12310-2                      | N    | > 350  |
| Tear resistance (transversal)                         | EN 12310-2                      | N    | > 350  |
| Resistance to root penetration                        | EN 13948/FLL                    | -    | passed   |
| Dimensional stability Id                              | EN 1107-2                       | %    | ≤0,3   |
| Flexibility at low temperature                        | EN 495-5                        | °C   | ≤ -30  |
| UV exposure   | EN 1297                         | -    | passed, class 0 ( > 5000 h )   |
| Durability Watertightness after artificial ageing     | EN 1296 - EN 1928 (B 24h/60kpa) | -    | passed   |
| Durability Watertightness after exposure to chemicals | EN 1847 - EN 1928 (B 24h/60kpa) | -    | passed   |
| Hail resistance hard surface                          | EN 13583                        | m/s  | ≥25  |
| Hail resistance soft surface                          | EN 13583                        | m/s  | ≥39  |
| Water vapour transmission                             | EN 1931                         | -    | 200000 (±30%)  |
| sd-value  | EN 1931                         | m    | 300  |
| Exposure to bitumen                                   | EN 1548                         | -    | passed   |
| Nail Shaft test                                       | EN 12310-1                      | N    | > 400  |
| External fire performance                             | CEN/TS 1187                     | -    | Product has been fire tested as part of a system assembly and this information can be obtained in the Fire Test Report available from Bauder Ltd |

#### Normative references

For undated references, the latest edition of the referenced document (including any amendments) applies.

#### Product storage guidance

Store the materials outdoors, laid horizontal/flat and off the ground with suitable robust UV resistant, flame-retardant tarpaulin. Ensure the product(s) are clear of buildings and any other storage areas. Where there are storage containers on site, these may be suitable for storing products.

#### Pallet size

Pallet size = 16 rolls/320m<sup>2</sup> per pallet

#### Packaging material

The product will be delivered on wooden pallets with polyethylene overwrap to protect the product. Each roll has a recycled cardboard core. Recycled nylon straps contain the rolls on a pallet.

#### Handling/PPE

All persons using the product should be fully aware of the manual handling methods as roofing materials are heavy and can cause serious injury. When using/handling the product, installers should be provided with, and wear, suitable personal protective equipment.

#### Disposal guidance

Waste of the product is not a hazardous substance. Observe local regulations. European Waste Catalogue EWC number 170203 "Plastic Mirror Non hazardous"

#### Re-use options of product

Please refer to EPD stated below in Certification and environmental information.

#### Further information/documents

Current documents such as DoP's (where relevant), brochures, installation guides, etc. can be found by visiting [www.bauder.co.uk](http://www.bauder.co.uk)

#### Certification and environmental information

**BBA Certificate No.:**  
04/4120

#### FM Approval:

BauderTHERMOPLAN T membrane is part of a series of FM-global tested assemblies.



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**Environmental Product Declaration:**

EPD-BAU-20130189-IBCC-DE

**International Standards Organisation (ISO):**

ISO 9001:2015 Quality Management  
Certificate 70499/03-15\_e (Germany)

ISO 14001:2015 Environmental Management  
Certificate 70499/03-15\_d (Germany)

ISO 50001: 2011 Energy Management  
Certificate 70499/03-15\_c (Germany)

**Safety Data Sheet**

Safety Data Sheets are designed to provide the necessary information to recipients of substances and mixtures in the EU & UK. This product is classed as an article; therefore, this product does not have a requirement for a Safety Data Sheet.



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