

Technical data sheet

BauderTHERMOPLAN T 20

FPO Roofing membrane



24/03/2026

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|--------------------------------------|--|----------------------|
| Product description | Polyester reinforced flexible polyolefin membrane (FPO), an alloy of thermoplastic and rubber. | |
| Application fields | Membrane can be mechanically fastened, adhered or loose-laid ballasted. Can be used under green roof landscaping | |
| Surface | top: | pearl white RAL 1013 |
| | bottom: | black |
| Reinforcement type and weight | synthetic reinforced polyester | |
| Article number | 6620 0150 | |
| Website link | https://www.bauder.co.uk/products/thermoplan-t | |



| 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 ² | 2,4 (-5/+10%) |
| Effective thickness | EN 1849-2 | mm | 2,0 (-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 | ≥900 |
| Resistance to impact soft surface | EN 12691 | mm | ≥1250 |
| 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 | > 400 |
| Tear resistance (transversal) | EN 12310-2 | N | > 400 |
| 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 | ≥31 |
| Hail resistance soft surface | EN 13583 | m/s | ≥42 |
| Water vapour transmission | EN 1931 | - | 200000 (±30%) |
| sd-value | EN 1931 | m | 400 |
| Exposure to bitumen | EN 1548 | - | passed |
| Nail Shaft test | EN 12310-1 | N | > 700 |
| 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 = 14 rolls/280m² 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

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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