

Technical data sheet

BauderTHERMOPLAN TL

FPO Detailing membrane



V3 16/11/2022

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|--------------------------------------|---|----------------------|
| Product description | Unreinforced FPO single ply roofing membrane | |
| Application fields | This detailing membrane should be used around penetrations and at details where movement of the structure(s) is likely. | |
| Surface | top: | pearl white RAL 1013 |
| | bottom: | black |
| Reinforcement type and weight | unreinforced | |
| Article number | 6601 0050 | |



| Characteristic | Test method | Unit | Value |
|--------------------------------|--------------|-------------------|---------------------|
| Visible defects | EN 1850-2 | - | no visible defects |
| Length | EN 1848-2 | m | 10(-0/+5%) |
| Width | EN 1848-2 | m | 0,5(-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 | 1,7(-5/+10%) |
| Effective thickness | EN 1849-2 | mm | 1,8 (-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 | ≥350 |
| Tensile strength ld | EN 12311-2 B | N/mm ² | ≥10 |
| Tensile strength td | EN 12311-2 B | N/mm ² | ≥10 |
| Elongation ld | EN 12311-2 B | % | ≥600 |
| Elongation td | EN 12311-2 B | % | ≥600 |
| Tear resistance (length) | EN 12310-2 | N | > 150 |
| Tear resistance (transversal) | EN 12310-2 | N | > 150 |
| Dimensional stability | EN 1107-2 | % | ≤1 |
| Flexibility at low temperature | EN 495-5 | °C | ≤ -30 |
| UV exposure | EN 1297 | - | passed (> 5000 h) |
| Water vapour transmission | EN 1931 | m | 200000 (±30%) |
| Exposure to bitumen | EN 1548 | - | passed |

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| External fire performance | CEN/TS 1187 | - | not applicable |

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| Product storage guidance | Store single-ply membranes in clean, dry conditions. Leave membrane in its original packaging until installation to reduce requirement for seam activation/cleaning. |
| Pallet size | Pallet size = 60 rolls/300m ² 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 DoC's, DoP's (where relevant), brochures, installation guides, etc. can be found by visiting www.bauder.co.uk |
| Certification and environmental information | <p>BBA Certificate No.: 04/4120</p> <p>FM Approval: Not applicable</p> <p>Environmental Product Declaration: EPD-BAU-20130189-IBCC-DE</p> <p>International Standards Organisation (ISO): ISO 9001:2015 Quality Management Certificate 70499/03-15_e (Germany)</p> <p>ISO 14001:2015 Environmental Management Certificate 70499/03-15_d (Germany)</p> <p>ISO 50001: 2011 Energy Management Certificate 70499/03-15_c (Germany)</p> |
| 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. |