## Technical data sheet BauderTHERMOFOL U 15 V FR Fleece-Backed PVC Roofing membrane



16/07/2024

| Product description            | Polyester reinforced PVC-P membrane. A polyester fleece is laminated to the underside of the membrane in factory conditions.           |                      |     |
|--------------------------------|--|----------------------|-----|
| Application fields             | Fleece-Backed membrane can be adhered, mechanically fastened or loose-laid ballasted. Can be used under green roof landscaping finish. |                      |     |
| Surface                        | top:   | anthracite RAL 7016  | EE  |
|                                | bottom:  | fleece backed        | 3.3 |
| Reinforcement type and weight  | synthetic reinforced polyester   |                      |     |
| Fleece backing type and weight | Polyester  | <sup>-</sup> 250g/m² |     |
| Article number                 | 6215 415   | 50                   |     |

| 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/m²  | 2(-5/+10%)         |
| Effective thickness                       | EN 1849-2    | mm     | 1,5(-5/+10%)       |
| Overall thickness                         | EN 1849-2    | -      | 3.50               |
| Water tightness                           | EN 1928 - B  | -      | passed             |
| Reaction to fire                          | EN 13501-1   | -      | class E            |
| Joint peel resistance                     | EN 12316-2   | N/50mm | ≥200               |
| Joint shear resistance                    | EN 12317-2   | N/50mm | ≥600               |
| Tensile strength Id                       | EN 12311-2 A | N/50mm | ≥1100              |
| Tensile strength td                       | EN 12311-2 A | N/50mm | ≥1100              |
| Elongation Id                             | EN 12311-2 A | %      | ≥20                |
| Elongation td                             | EN 12311-2 A | %      | ≥20                |
| Resistance to impact hard surface         | EN 12691     | mm     | ≥700               |
| Resistance to impact soft surface         | EN 12691     | mm     | ≥1000              |
| Resistance to static loading hard surface | EN 12730     | kg     | ≥20                |



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



Notified body: BBA 0836 BS EN 13956

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| Characteristic  | Test method                        | Unit | Value  |
|---|------------------------------------|------|--|
| Resistance to static loading soft surface             | EN 12730                           | kg   | ≥20  |
| Tear resistance (length)                              | EN 12310-2                         | N    | > 300  |
| Tear resistance (transversal)                         | EN 12310-2                         | N    | > 300  |
| 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<br>(B 24h/60kpa) | -    | passed   |
| Durability Watertightness after exposure to chemicals | EN 1847 - EN 1928<br>(B 24h/60kpa) | -    | passed   |
| Hail resistance hard surface                          | EN 13583                           | m/s  | ≥24  |
| Hail resistance soft surface                          | EN 13583                           | m/s  | ≥46  |
| Water vapour transmission                             | EN 1931                            | -    | 20000 (±30%)   |
| sd-value  | EN 1931                            | m    | 30   |
| Nail Shaft test                                       | EN 12310-1                         | N    | > 500  |
| 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 |

Product surface finish BauderTHERMOFOL U15 V FR membrane has a fleece free side lap (selvedge) for hot air welding. For cross

joints & roll ends 200mm width Thermofol coverstrip must be used.

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 = 10 rolls/300m² 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.

visiting www.bauder.co.uk

Certification and environmental

information

**BBA Certificate No.:** 

06/4354



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FM Approval:

Not applicable

**Environmental Product Declaration:** 

EPD-BAU-20130189-IBCC-DE

International Standards Organisation (ISO):

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

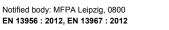
ISO 14001:2015 Environmental Management Certificate 70499/03-15\_d (Germany)

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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