



Technical data sheet

BauderSMARAGD

Roofing membrane



04/06/2024

| | | | |
|--------------------------------------|--|----------------------------|--|
| Product description | Polymer bitumen dual formulation torch-on capping sheet. APP plastomeric top and SBS elastomeric bottom with root resistance according to FLL. The product features a 300g/m ² spunbond polyester/glass composite reinforcement to allow the finished product to cope with structural movement without fracture, and a mineral finish to provide protection against UV degradation. | |   |
| Application fields | Root-resistant capping sheet used in a multi-layer flat roof system with a green roof landscaping finish. | | |
| Surface | top: | Green-white mineral | |
| | bottom: | Thermofusible polyethylene | |
| Reinforcement type and weight | Polyester/glass composite fleece 300 g/m ² | | |
| Article number | 1715 0000 | | |

| Characteristic | Test method | Unit | Value |
|--|-------------|-------------------|------------|
| Length | EN 1848-1 | m | 5 |
| Width | EN 1848-1 | m | 1 |
| Thickness | EN 1849-1 | mm | 5,2 |
| Mass per unit area | - | kg/m ² | 6 |
| Straightness | EN 1848-1 | mm/10m | <20 |
| Reaction to fire | EN 13501-1 | - | E |
| Watertightness | EN 1928 | - | passed |
| Flexibility at low temperature top | EN 1109 | °C | ≤-25 |
| Flexibility at low temperature bottom | EN 1109 | °C | ≤-40 |
| Flow resistance at elevated temperature top | EN 1110 | °C | ≥150 |
| Flow resistance at elevated temperature bottom | EN 1110 | °C | ≥120 |
| Max. tensile force length | EN 12311-1 | N/50mm | 1450(±10%) |
| Max. tensile force transverse | EN 12311-1 | N/50mm | 1450(±10%) |
| Elongation at max. tensile force length | EN 12311-1 | % | 23(±3) |
| Elongation at max. tensile force transverse | EN 12311-1 | % | 23(±3) |
| Resistance to root penetration | FLL | - | passed |



Notified body: GPB, 1724
EN 13707, EN 13969



Notified body: BBA 0836
BS EN 13707

Technical data sheet

BauderSMARAGD

Roofing membrane



| Characteristic | Test method | Unit | Value |
|---------------------------|-------------|------|---|
| Dimensional stability | EN 1107-1 | % | ≤0,1 |
| 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 | The mineral surface finish is a natural rock, also containing slate, basalt, sand and other constituent parts. With this being a mixture of natural and man-made products, the raw material may differ in colour and shade, over which we have no control. There may also be colour variations between each roll of membrane for which the manufacturer assumes no liability. Over time the colour of the membranes could change due to weather and environmental influences. |
| Product storage guidance | Store the materials outdoors, on end/upright 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 =24 rolls/120m ² per pallet |
| Storage temperature range | +5°C to +30°C |
| Packaging material | The product will be delivered on wooden pallets with plastic overwrap to protect the product. Each roll has a paper wrapping/tape to the external of the product, which must be removed before use. |
| 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. |
| Shelf life | When stored correctly, the product has no stated shelf life, however, for extended periods beyond 5 years, we would suggest additional installation techniques may be required. |
| Disposal guidance | Bitumen waste can be disposed of with household waste or commercial waste similar to household waste (European waste catalogue EWC number 170302 "asphalt tar-free"). |
| 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.: 10/4744</p> <p>Environmental Product Declaration: GlobalEPD-IntEPD S-P-00768</p> <p>International Standards Organisation (ISO): ISO 9001:2015 Quality Management Certificates EN1271 (UK) and 70499/03-15_e (Germany)</p> <p>ISO 14001:2015 Environmental Management Certificates A10552 (UK) and 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. |



Notified body: GPB, 1724
EN 13707, EN 13969



Notified body: BBA 0836
BS EN 13707