

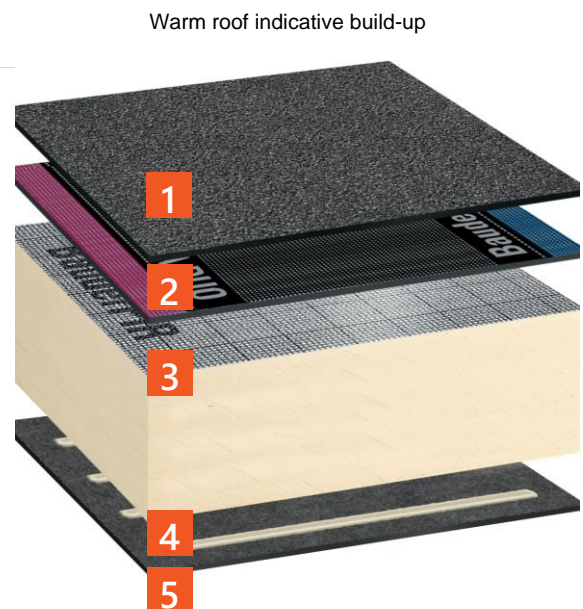
Reinforced bitumen membrane warm roof covering

Bauder System Airtech

Two layer, self-adhered, warm roof, bitumen membrane waterproofing system suitable for both new build and refurbishment applications. Can be used in warm and cold roof scenarios. Use torch-free detailing for application in the vicinity of combustible construction materials.



| | Function | Product name | Thickness (mm) | Weight (kg/m ²) |
|--|-------------------------------------|--|----------------|-----------------------------|
| 1 | Cap sheet | BauderTEC KSO-P SN (Charcoal Grey) | 4 | 5.2 |
| 2 | Underlayer | BauderTEC KSA DUO | 3 | 3.5 |
| 3 | Insulation (0.15) | BauderPIR FA-TE | 140 | 4.2 |
| 4 | Insulation attachment method | Bauder PU Tin Adhesive | nominal | 0.16 |
| 5 | Air and vapour control layer (AVCL) | BauderTEC KSD FBS | 2.5 | 2.5 |
| | Primer | Varies depending upon substrate type – please refer to specification | nominal | nominal |
| System Build-up | | | 149.5 | 15.56 |
| In-depth and up-to-date product specific technical data is available for each element within a system. Download from our website bauder.co.uk/technical-centre | | | | |



Characteristics of the system

- Choice of insulants including tapered insulation for improved drainage falls to suit project requirements.
- SBS modified elastomeric bitumen cap sheet with 200g/m² polyester fleece reinforcement.
- System incorporates patented DUO membranes to minimise the use of flame.
- Safe2Torch guidance adhered to for design of details on or near combustible construction materials.
- Comprehensive guarantee packages to meet project requirements.

Accreditations and approvals



System summary






System variations are available to the specifier so that a tailored solution meets the needs of the building. The selection of products should be confirmed with our technical department to ensure suitability for the individual construction requirements of the flat roof.

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OPTIONS AVAILABLE

In-depth and up-to-date product specific technical data is available for each component within a system. Download from our website bauder.co.uk/technical-centre

| Membrane finish colours |  |  |  |
|-------------------------|---|--|---|
| | KSO-P SN Charcoal grey | KSO SN Grey Slate | KSO ALP SN Brown |

| FA-TE Insulation thickness | Approx. 'U' VALUE (W/m ² K) | Weight (kg/m ²) |
|----------------------------|--|-----------------------------|
| 120mm | 0.17/0.18 | 3.6 |
| 140mm | 0.15 | 4.2 |
| 180mm (120 + 60) | 0.12 | 5.4 |
| 190mm (160 + 30) | 0.11 | 5.7 |

Approx. 'U' VALUE (W/m²K) assuming concrete or timber deck and does not take into account any materials below the deck

| Alternative insulation to achieve 'U' VALUE 0.15 (W/m ² K) | Thickness (mm) | Weight (kg/m ²) |
|---|----------------|-----------------------------|
| BauderPIR FA G16 Tapered | 140 (average) | 4.2 (average) |

System fire performance

The system arrangements tested, verified, and that achieve industry standards for fire performance are defined in the relevant fire test certificate. Bauder continually tests its systems for fire performance, so please ensure you are aware of which permutations currently have a stated performance against fire by consulting Bauder Limited. Please contact technical@bauder.co.uk for clarification.