

System summary

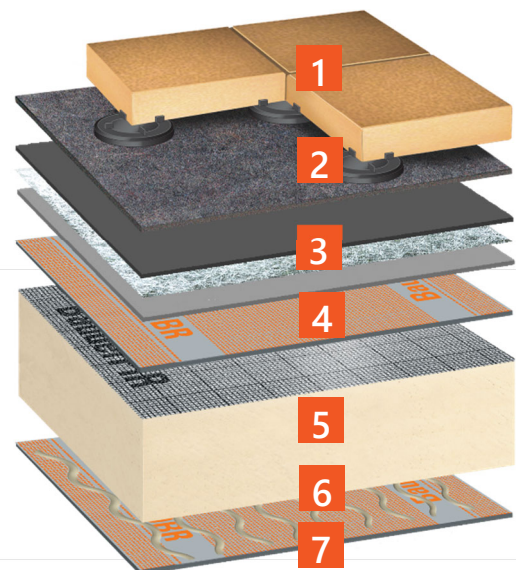
Liquid applied warm roof covering system - cold applied

Bauder LiquiTOP Insulated Roof Terrace System to Falls

Two coat polyurethane waterproofing with glass fibre reinforcement, cold applied liquid, warm roof system suitable for new build and refurbishment applications where the waterproofing is to falls.

| | Function | Product name | Thickness (mm) | Weight (kg/m ²) |
|---|------------------------------|--|----------------|-----------------------------|
| 1 | Terrace surfacing | Paving or decking on pedestals | - | - |
| 2 | Protection layer | BauderGREEN FSM 600 (saturated) | 4 | 3.6 |
| 3 | Waterproofing | Bauder LiquiTOP PU applied in 2 coats, reinforced with Bauder LiquiTOP Glass Fibre Mat | 1.8 | 2.9 |
| 4 | Carrier membrane | BauderTEC DBR 06 | 0.6 | 0.6 |
| 5 | Insulation (0.15) | BauderPIR FA-TE | 140 | 4.2 |
| 6 | Insulation attachment method | Bauder Activator-Primer (Canister) | nominal | nominal |
| 7 | AVCL | BauderTEC DBR 06 (for plywood or metal decks) | 0.6 | 0.6 |
| | Primer | Varies depending upon substrate type – please refer to specification | nominal | nominal |
| System Build-up (excluding terrace surfacing) | | | 147 | 11.9 |

Warm roof indicative build-up



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

System summary

Characteristics of the system

- Single pack polyurethane system – no mixing required.
- Seamless cold applied liquid.
- Monomer stripped isocyanate prepolymer – reduced risk of sensitisation for installers.
- Comprehensive extended period guarantee packages to meet project requirements.8

Accreditations and approvals



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 LiquiTOP PU Dark Grey (Approx. RAL 7011) is used as the top layer |  Dark Grey RAL 7011 (Approx.) |  Mist Grey RAL 7040 (Approx.) | |
|--|--|---|--|

| Alternative AVCL | Thickness (mm) | Weight (kg/m ²) |
|---|-------------------|--------------------------------|
| BauderTEC KSD FBS (for cementitious decks) | 2.5 | 2.5 |

System summary



| 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) |
| Bauder VIP TE Flatboard*** | 80 | Varies |
| BauderROCK Flatboard | 255 (150 + 105) | 40.8 |
| BauderGLAS Flatboard | 230 (130 + 100) | 23 |

***VIP TE Insulation based on 80mm VIP TE with PIR FA-TE at infills and perimeters utilising 70% VIP and 30% FA-TE to achieve approx.. 0.14 U Value. A project specific VIP TE design would be required to confirm exact U Value achieved.

System fire performance

The system arrangements tested, verified, and that achieve industry standards for fire performance are defined in the relevant BBA certificate. Please ensure you are aware of which permutations currently have a stated performance against fire by viewing and downloading the BBA certificate from our website

bauder.co.uk/technical-centre

Bauder continually tests its systems for fire performance and so if the permutation of products you are specifying is not stated in our latest BBA certificate, please contact technical@bauder.co.uk for clarification.