

Single Ply warm roof mechanically fastened with PIR insulation

BauderTHERMOPLAN FPO Single Ply System

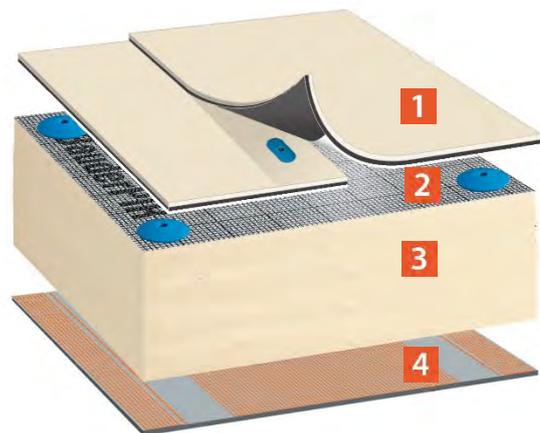
Mechanically fastened, warm roof, single ply membrane waterproofing system suitable for new build, refurbishment and extensive green roof applications.

| | Function | Product name | Thickness (mm) | Weight (kg/m ²) |
|------------------------|---|------------------------|----------------|-----------------------------|
| 1 | Waterproofing | BauderTHERMOPLAN T 15 | 1.5 | 1.8 |
| 2 | Insulation & membrane attachment method | Mechanically fastened | Nominal | Nominal |
| 3 | Insulation (0.15) | BauderPIR FA Flatboard | 140 | 4.2 |
| 4 | Air and vapour control layer (AVCL) | BauderTEC DBR 06 | 0.6 | 0.7 |
| System Build-up | | | 142.10 | 6.70 |

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

Warm roof indicative build-up



Characteristics of the system

- Flame free installation using hot air welding
- Light weight membrane, typically 2-3kg/m²
- High performance halogen-free fire retardant
- Approved for green roof landscaping by FLL
- Comprehensive guarantee packages to meet project requirements

System summary

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.

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| Membrane finish colours |  |  |
|-------------------------|---|--|
| | Silver Grey (RAL 7001) | Pearl White (RAL 1013) |

| Membrane alternatives | Thickness (mm) | Weight (kg/m ²) | Membrane AVCL alternatives | Thickness (mm) | Weight (kg/m ²) |
|-----------------------|----------------|-----------------------------|----------------------------|----------------|-----------------------------|
| BauderTHERMOPLAN T 12 | 1.2 | 1.5 | BauderSYN DB-PE 100 | 0.16 | 0.15 |
| BauderTHERMOPLAN T 20 | 2.0 | 2.4 | BauderTEC KSD Foil | 1.5 | 1.8 |

| BauderPIR FA Flatboard Insulation thickness | Approx. 'U' VALUE (W/m ² K) | Weight (kg/m ²) | Alternative insulation to achieve 'U' VALUE 0.15 (W/m ² K) | Thickness (mm) | Weight (kg/m ²) |
|---|--|-----------------------------|---|-----------------|-----------------------------|
| 120mm | 0.17/018 | 3.6 | BauderPIR FA G16 tapered | 140 average | 4.2 |
| 140mm | 0.15 | 4.2 | BauderPIR FA-TE flatboard | 140 | 4.2 |
| 160mm | 0.13 | 4.8 | BauderROCK flat/tapered | 265/265 average | 42.4 |
| 200mm | 0.11 | 6.0 | BauderGLAS flat/tapered | 240/240 average | 24.0 |

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

System fire performance

Please contact the Bauder Technical Dept to check if the system assembly stated has an independently tested performance against fire.