

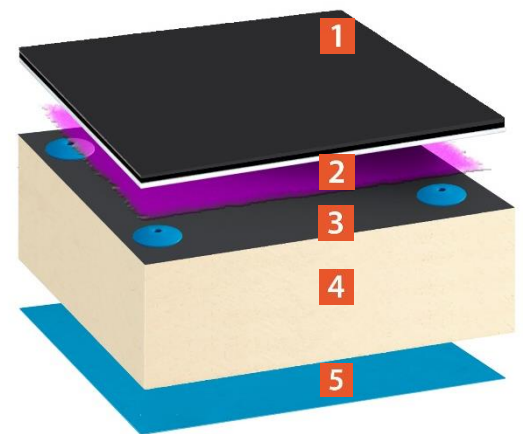
## Single Ply warm roof mechanically fastened PIR insulation with adhered fleece-backed membrane

### BauderTHERMOFOL PVC Single Ply System

Part mechanically fastened, part adhered, warm roof, single ply membrane waterproofing system suitable for new build, refurbishment and extensive green roof applications. A range of membrane colours are available.

|  | Function                            | Product name              | Thickness (mm) | Weight (kg/m <sup>2</sup> ) |
|--|-------------------------------------|---------------------------|----------------|-----------------------------|
| 1  | Waterproofing                       | BauderTHERMOFOL U 15 V FR | 3.5            | 2.0                         |
| 2  | Membrane attachment method          | Adhered                   | Nominal        | Nominal                     |
| 3  | Insulation attachment method        | Mechanically fastened     | Nominal        | Nominal                     |
| 4  | Insulation (0.15)                   | BauderPIR FA Flatboard    | 140            | 4.2                         |
| 5  | Air and vapour control layer (AVCL) | BauderSYN DB-PE 100       | 0.16           | 0.15                        |
| <b>System Build-up</b>   |                                     |                           | <b>143.66</b>  | <b>6.35</b>                 |
| In-depth and up-to-date product specific technical data is available for each element within a system.<br>Download from our website <a href="http://bauder.co.uk/technical-centre">bauder.co.uk/technical-centre</a> |                                     |                           |                |                             |

Warm roof indicative build-up



#### Characteristics of the system

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

#### Accreditations and approvals



# System summary



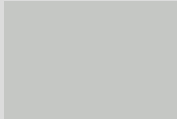
System variations are available to the specifier so that a tailored solution meets the needs of the building. The selection of products should be confirmed with our technical department to ensure suitability for the individual construction requirements of the flat roof.

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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](http://bauder.co.uk/technical-centre)

| Membrane finish colours |  |  |  |
|-------------------------|---|--|---|
|                         | Anthracite (RAL 7016)   | Blue Grey (RAL 7031)   | Light Grey (RAL 7035)   |

| Membrane AVCL alternatives | Thickness (mm) | Weight (kg/m <sup>2</sup> ) |
|----------------------------|----------------|-----------------------------|
| BauderTEC DBR 06           | 0.6            | 0.7                         |
| BauderTEC KSD Foil         | 1.5            | 1.8                         |

| BauderPIR FA Flatboard Insulation thickness | Approx. 'U' VALUE (W/m <sup>2</sup> K) | Weight (kg/m <sup>2</sup> ) | Alternative insulation to achieve 'U' VALUE 0.15 (W/m <sup>2</sup> K) | Thickness (mm)  | Weight (kg/m <sup>2</sup> ) |
|---|--|-----------------------------|---|-----------------|-----------------------------|
| 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                        |
| 180mm                                       | 0.12                                   | 5.4                         | BauderGLAS flat/tapered   | 240/240 average | 24.0                        |

Approx. 'U' VALUE (W/m<sup>2</sup>K) assuming concrete or timber deck and does not take into account any materials below the deck

## 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](http://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](mailto:technical@bauder.co.uk) for clarification.