

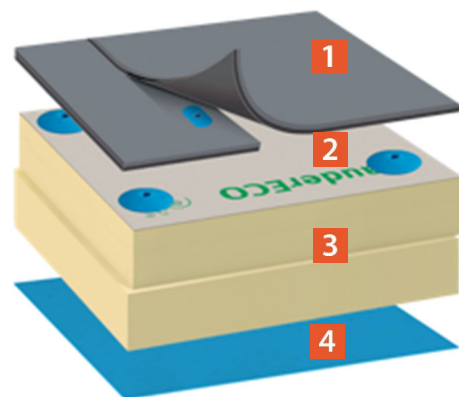
Single Ply warm roof mechanically fastened with PIR insulation

BauderTHERMOFOL PVC Single Ply System incorporating ECO FF insulation

Mechanically fastened, 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 ²) |
|--|---|-------------------------|----------------|-----------------------------|
| 1 | Waterproofing | BauderTHERMOFOL U 15 FR | 1.5 | 1.8 |
| 2 | Insulation & membrane attachment method | Mechanically fastened | Nominal | Nominal |
| 3 | Insulation (0.14) | BauderECO FF | 160 | 4.8 |
| 4 | Air and vapour control layer (AVCL) | BauderSYN DB-PE 100 | 0.16 | 0.15 |
| System Build-up | | | 161.66 | 6.75 |
| 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 ECO FF Insulation

- Product uses biomass material rather than fossil material using the biomass balance approach.
 - For further information on biomass balance please see – *link to webpage*
- RedCert² certification (REDcert²-904-39352401) for the purpose of sustainable material flow is fulfilled – biomass balance approach.
 REDcert² sustainability certification - 3rd party auditing for a voluntary certification scheme for the use of sustainable materials in the chemical industry. This is for the chemicals used to make PIR insulation and the finished product itself.
- Rebated edges to reduce the chance of thermal bridging at the board joints.

System summary

Characteristics of the system

- Flame free installation using hot air welding.
- Light weight membrane, typically 2-3kg/m²
- Comprehensive guarantee packages to meet project requirements

Accreditations and approvals





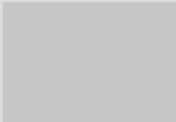
System variations are available to the specifier so that a tailored solution meets the needs of the building. The selection of products should be confirmed with our technical department to ensure suitability for the individual construction requirements of the flat roof.

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

| Membrane alternatives | Thickness (mm) | Weight (kg/m ²) |
|-------------------------|----------------|-----------------------------|
| BauderTHERMOFOL U 12 FR | 1.2 | 1.4 |
| BauderTHERMOFOL U 18 FR | 1.8 | 2.1 |
| BauderTHERMOFOL U 20 FR | 2.0 | 2.4 |

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

| ECO FF Insulation thickness | Approx. 'U' VALUE (W/m ² K) | Weight (kg/m ²) |
|-----------------------------|--|-----------------------------|
| 125mm | 0.18 | 3.75 |
| 160mm | 0.14 | 4.8 |
| 205mm (125+80) | 0.11 | 6.15 |

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

System summary

ECO FF insulation is available in the 3 thicknesses quoted above

System fire performance

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.

