

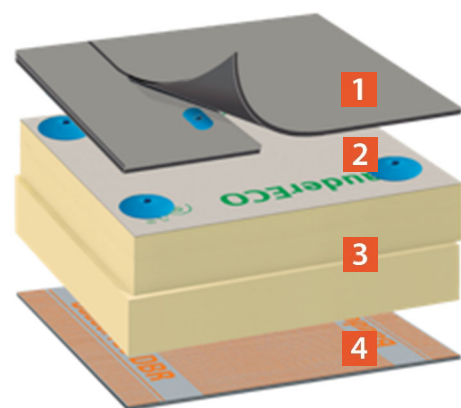
## Single Ply warm roof mechanically fastened with PIR insulation

### BauderTHERMOPLAN FPO 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.

	Function	Product name	Thickness (mm)	Weight (kg/m <sup>2</sup> )
1	Waterproofing	BauderTHERMOPLAN T 15	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)	BauderTEC DBR 06	0.6	0.7
<b>System Build-up</b>			<b>162.10</b>	<b>7.30</b>
In-depth and up-to-date product specific technical data is available for each element within a system. 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 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\*

- RedCert<sup>2</sup> certification (REDcert<sup>2</sup>-904-39352401) for the purpose of sustainable material flow is fulfilled – biomass balance approach.

REDcert<sup>2</sup> 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/m<sup>2</sup>
- 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

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<b>Membrane finish colours</b>		
	Silver Grey (RAL 7001)	Pearl White (RAL 1013)

Membrane alternatives	Thickness (mm)	Weight (kg/m <sup>2</sup> )	Membrane AVCL alternatives	Thickness (mm)	Weight (kg/m <sup>2</sup> )
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

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

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