

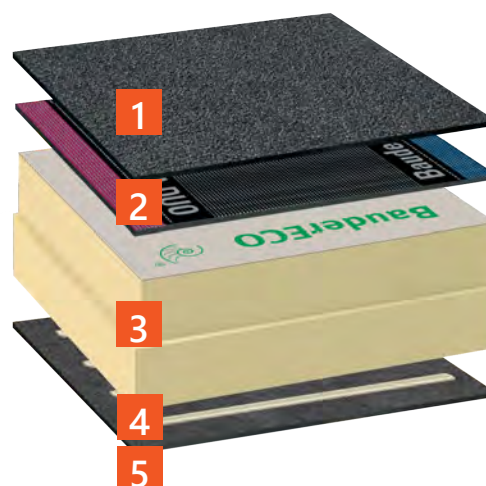
## Reinforced bitumen membrane warm roof covering

### Bauder Total Roof System incorporating ECO FF insulation

Two-layer, self-adhered underlayer with torch-on capping sheet, warm roof, bitumen membrane waterproofing system suitable for both new build and refurbishment applications. Option of using a root-resistant cap sheet for green roofs. Can be used in warm, cold, and inverted roof scenarios. Use torch-free detailing for application in the vicinity of combustible construction materials.

	Function	Product name	Thickness (mm)	Weight (kg/m <sup>2</sup> )
1	Cap sheet	Bauder K5K (Charcoal Grey)	5.2	6.5
2	Underlayer	BauderTEC KSA DUO	3	3.5
	Primer onto insulation facing	Activator-Primer	nominal	nominal
3	Insulation (0.14)	BauderECO FF	160	4.8
4	Insulation attachment method	Bauder PU Tin Adhesive	nominal	0.16
5	Air and vapour control layer (AVCL)	BauderTEC KSD FBS	2.5	2.5
	Primer	Varies depending upon substrate type – please refer to specification	nominal	nominal
<b>System build-up</b>			<b>170.7</b>	<b>17.46</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.

# System summary

- Rebated edges to reduce the chance of thermal bridging at the board joints.

## Characteristics of the system

- SBS modified elastomeric bitumen cap sheet with 250g/m<sup>2</sup> polyester fleece reinforcement.
- Safe2Torch guidance adhered to for design of details on or near combustible construction materials.
- 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](https://bauder.co.uk/technical-centre)

Membrane finish colours				
				
	Charcoal grey	Grey Slate	Brown	PLANT E (root resistant)

Membrane underlayer alternative	Thickness (mm)	Weight (kg/m <sup>2</sup> )
BauderFLEX G4E (torch-on)	4	4.8
BauderTEC KSA DUO 35	3.5	4
BauderFLEX K5E (torch-on)	5	5.8

Membrane AVCL alternatives	Thickness (mm)	Weight (kg/m <sup>2</sup> )
Bauder Super AL-E** (torch-on)	3.5	4.5
BauderTHERM DS 1 DUO	4	4.5

\*\*Cannot be used directly onto combustible materials

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
205 (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



## System fire performance

ECO FF insulation has been system fire tested with the products listed on page one of this document as part of our BTRS System.

Bauder continually tests its systems for fire performance and so if the permutation of products you are specifying is not listed, please contact [technical@bauder.co.uk](mailto:technical@bauder.co.uk) for clarification.