

Reinforced bitumen membrane warm roof covering with Bauder DensDeck® Prime cover board

Bauder Total Roof System

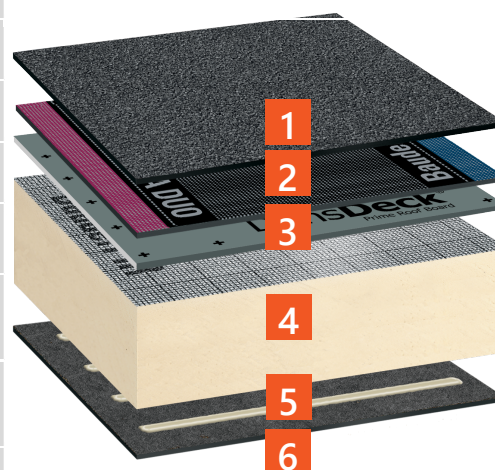
Two-layer, self-adhered, warm roof, bitumen membrane waterproofing system with Bauder DensDeck Prime cover board for additional fire protection. Suitable for both new build and refurbishment applications. Can be used in warm and cold roof scenarios. Use torch-free detailing for application in the vicinity of combustible construction materials.

	Function	Product name	Thickness (mm)	Weight (kg/m ²)
1	Cap sheet	Bauder K5K (Charcoal Grey)	5.2	6.5
2	Underlayer	BauderTEC KSA DUO	3	3.5
3	Cover board	Bauder DensDeck Prime	6.4	5.9
4	Insulation (0.15)	BauderPIR FA-TE	140	4.2
5	Insulation attachment method	Bauder PU Tin Adhesive	nominal	0.16
6	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
System Build-up			157.3	24.76

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

- Non-combustible DensDeck Prime cover board provides additional fire protection, specifically where photovoltaic arrays are located above combustible decks
- SBS modified elastomeric bitumen cap sheet with 250g/m² polyester fleece reinforcement.
- System incorporates patented DUO membranes to minimise the use of flame.
- Safe2Torch guidance adhered to for design of details on or near combustible construction materials.

System summary

Accreditations and approvals

Safe2
Torch



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			
	Charcoal grey	Grey Slate	Brown

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

*Cannot be used directly onto foil faced insulation

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

**Cannot be used directly onto combustible materials

FA-TE Insulation thickness	Approx. 'U' VALUE (W/m ² K)	Weight (kg/m ²)
120mm	0.17/0.18	3.6
140mm	0.15	4.2
180mm (120 + 60)	0.12	5.4
190mm (160 + 30)	0.11	5.7

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