



### Reinforced bitumen membrane warm roof covering

#### Bauder Total Roof System PLUS

Two layer, self-adhered, 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/m²)
1 Cap sheet	BauderKARAT Charcoal (PM)	5.2	6.0
2 Underlayer	BauderTEC KSA DUO 35	3.5	4.0
3 Insulation (5.15)	BauderPR FA-TE	140	4.2
Insulation attachment method	Bauder PU Tri Adhesive	nominal	0.16
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>151.2</b>	<b>16.86</b>

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



Typical Build up - refer to specification for actual Details

Felt roof flashed into existing building in line with Bauder detailing

Cut to Falls insulated felt flat roof system to edge gutters and outfalls.

Beam to Eng details clad in 2 layers 15mm Fireline board and slim off timber noggin in flange of beam, with boxing below to form bulkhead at opening

SW joist @400ccrs notched into the web of the steel to Eng details

service void

Suspended ceiling

2710  
suspended ceiling

SW joist @400ccrs notched into the web of the steel to Eng details

72.5mm British Gypsum Insulated Plasterboard on 25mm batten

Vapour Barrier

Knauf Earthwool Frametherm 40 insulation friction fitted between 140mm studs

Gyproc Seal

Vertical 45 x 20mm SW treated batten screwed to timber studs doubled top form feature offset

Larch vertical timber 22 x 140mm board on board cladding with perforated closer trims fixed to 46 x 42mm SW treated battens at 400mm ctrs

Larch vertical timber 22 x 70mm board on board cladding

Vertical 45 x 20mm SW treated batten screwed to timber studs to form ventilation void

Larch vertical timber 22 x 140mm board on board cladding with perforated closer trim fixed to 46 x 42mm SW treated battens at 400mm ctrs

Larch vertical timber 22 x 70mm board on board cladding

Sheathing board 9mm osb part of timber frame suppliers design

Breather membrane Procter Reflect Shield fixed to 9mm OSB sheathing board down to dpc level

Non slip Decking grooved on SW treated joists and support posts

Aluminium cill

Concrete foundation and sub-structure works as per Structural Engineers details

Rev:	Date:	Comments:	By:
Client:			
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Project: <b>Extension and Refurbishment of the Former Bank, 5 St George's Road Millom LA18 4JA</b>			
Drawing Title: <b>Proposed Section thro' Extension</b>			
Drawn: MD	Checked: JM	Signed:	
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