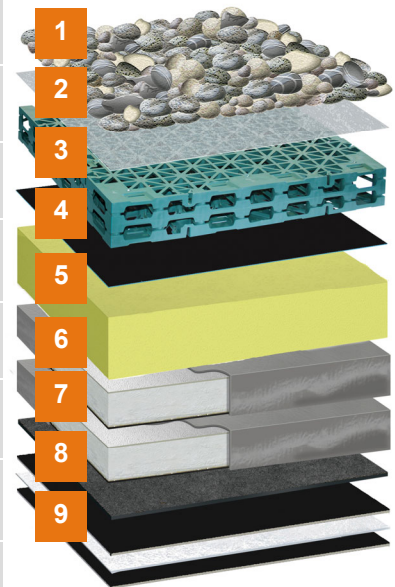


Bauder Bakor Hot Melt System

Inverted Blue Ballasted inc. BauderVIP INV Insulation

Hot liquid applied waterproofing system for use in Inverted, Cold and Un-Insulated situations. Suitable in both New Build and Refurbishment situations. Can be used on various substrates and is ideal as a waterproofing beneath paved, ballasted, blue, green and brown and biosolar roof situations.

	Function	Product Name	Thickness (mm)	Weight (kg/m ²)
1	Surfacing	20/40mm Round Washed Ballast	55(min)*	83*
2	Filter Fleece	BauderGREEN FV 125 100	1	0.125
3	Attenuation Cell	BauderGreen RWR 100 (empty)	100	8.05
4	Water Flow Reduction Layer	BauderXPS WFRL	0.45	0.1
5	Inverted Insulation (Top Layer)	BauderXPS (300) Inverted	40	1.2
6	Inverted Insulation (Base Layer)	BauderVIP INV	30	6.5
7	Inverted Insulation (Base Layer)	BauderVIP INV	30	6.5
8	Protection Layer	Bauder K5K Mineral	5.2	6
9	Waterproofing	790-11 Hot Melt Waterproofing System	6.2	6.5
			267.85	117.975



Build-up to achieve 0.16 on a concrete deck

Build-up is covered by the Annex of Commission Decision 2000/553/EC and will therefore achieve Broof(t4).

In-depth and up-to-date product specific technical data is available for each element within a system.

Characteristics of the system

- Monolithic waterproofing system—no laps
- 100% bond to deck surface
- Lasts the lifetime of the roof
- Safe2Torch compliant detailing on or near



Accreditations and approvals

Bauder Bakor Hot Melt System

Inverted Ballasted inc. BauderVIP INV Inverted Insulation

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.

E: technical@bauder.co.uk

T: 01473 257671

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

Access/Protection Sheet alternatives	Thickness	Weight
BauderPLANT E 42	4.2mm	5.0kg/m ²
K4E Charcoal Grey	4.2mm	5.6kg/m ²
K4E Grey Slate	4.2mm	5.0kg/m ²
K4E Brown	4.2mm	5.0kg/m ²

Insulation to achieve 0.16 on a concrete deck	Thickness	Weight
BauderGLAS Inverted	240mm	24.0kg/m ²
BauderJFRI PREMIUM+	180mm	5.40kg/m ²
BauderJFRI PREMIUM(300)	195mm	7.80kg/m ²
BauderXPS (300)	210mm	6.30kg/m ²

All insulation thicknesses do not contain the mandatory 10% addition as currently stated in BS6229:2018. These should be added if this inverted blue roof option is chosen.

System fire performance

The system arrangements tested, verified, and that achieve industry standards for fire performance are defined in the relevant BBA (pending for BauderVIP INV) certificate. Please ensure you are aware of which permutations currently have a stated performance against fire by viewing and downloading the BBA certificate from our website bauder.co.uk/technical-centre

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.

Ballast Calculation

*Depth and weight of ballast calculated using current CIRIA guidance.

CIRIA guidance states a loading of 97.2kg/m² is required for total of 100mm inverted insulation. Deducting 14.2kg/m² for weight of inverted insulation gives additional ballast requirement of 83kg/m². 83kg/m² equals a depth of 55mm.

This should be checked against the Bauder Specification.