

## Loose laid FPO membrane & inverted EPS insulation with a ballast surface

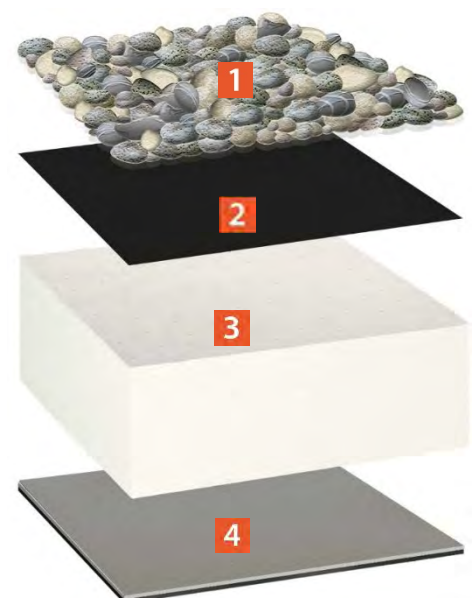
### BauderTHERMOPLAN FPO Single Ply System

Loose ballasted, inverted, single ply waterproofing roof system suitable for new build, refurbishment and extensive green roof applications, and used primarily on concrete decks.

	Function	Product name	Thickness (mm)	Weight (kg/m <sup>2</sup> )
1	Surfacing	Ballast or vegetation installed to achieve a permanent minimum load of 80kg/m <sup>2</sup> to anchor the insulation in high winds / heavy rainfall.	Project specific	Project specific
2	Water Flow Reducing Layer	JFRI WFRL	0.45	0.1
3	Insulation (0.15)	JFRI PREMIUM +	195	5.85
4	Waterproofing	BauderTHERMOPLAN T 15 V membrane	3.5	2.0
<b>System Build-up (plus surfacing)</b>			<b>198.95</b>	<b>7.95</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)

Inverted roof indicative build-up



#### Characteristics of the system

- Flame free installation using hot air welding
- Light weight membrane, typically 2-3kg/m<sup>2</sup>
- High performance halogen-free fire retardant
- Approved for green roof landscaping by FLL
- Comprehensive guarantee packages to meet project requirements

#### Accreditations and approvals



# System summary

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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Membrane finish colours		
	Silver Grey (RAL 7001)	Pearl White (RAL 1013)

JFRI PREMIUM + Flatboard Insulation thickness	Approx. 'U' VALUE (W/m²K)	Weight (kg/m²)	Alternative insulation to achieve 'U' VALUE 0.15 (W/m²K)	Thickness (mm)	Weight (kg/m²)
165mm	0.18	4.95	BauderGLAS inverted	260	26
195mm	0.15	5.85	BauderJFRI (300)	210	8.4
225mm	0.13	6.75	BauderXPS (300)	230	6.9
265mm	0.11	7.95			

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

## System fire performance

Please contact the Bauder Technical Dept to check if the system assembly stated has an independently tested performance against fire or are deemed to satisfy approval.