

Loose laid PVC membrane & inverted EPS insulation with a ballast surface

BauderTHERMOFOL PVC 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. A range of membrane colours are available for exposed flashings.

	Function	Product name	Thickness (mm)	Weight (kg/m ²)
1	Surfacing	Ballast or vegetation installed to achieve a permanent minimum load of 80kg/m ² 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	Protection Fleece	BauderSYN GV120	0.75	0.12
5	Waterproofing	BauderTHERMOFOL U 15 V FR membrane	3.5	2.0
System Build-up			199.7	8.07
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				

Inverted roof indicative build-up



Characteristics of the system

- Flame free installation using hot air welding
- Light weight membrane, typically 2-3kg/m²
- High performance halogen-free fire retardant
- Approved for green roof landscaping by FLL
- Comprehensive guarantee packages to meet project requirements

System summary



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.



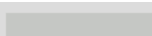
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OPTIONS AVAILABLE

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

Download from our website [bauer.cc:air technical centre](#)

Membrane finish colours			
	Anthracite (RAL 7016)	Blue Grey (RAL 7031)	Light Grey (RAL 7035)

JFRI PREMIUM + Flatboard Insulation thickness	Approx. 'U' VALUE (W/m ² K)	Weight (kg/m ²)	Alternative insulation to achieve 'U' VALUE 0.15 (W/m ² K)	Thickness (mm)	Weight (kg/m ²)
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

The system arrangements tested, verified, and that achieve industry standards for fire performance are defined in the relevant BBA 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.