

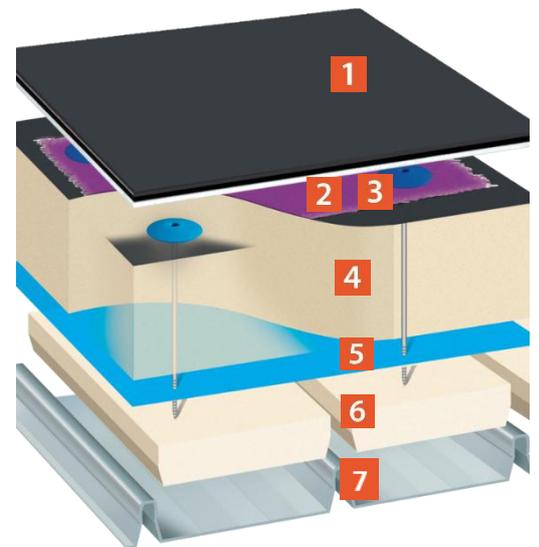
## Single Ply warm roof mechanically fastened with PIR infill insulation and adhered membrane.

### BauderTHERMOFOL PVC Single Ply System

Single layer sheet warm roof covering system - Hybrid assembly of BauderPIR infills on an existing metal roof with a mech fixed BauderPIR FA insulation flat board & adhered fleece-backed Thermofol PVC membrane.

	Function	Product name	Thickness (mm)	Weight (kg/m <sup>2</sup> )
1	Waterproofing	BauderTHERMOFOL U 15 V FR	3.5	2.0
2	Membrane attachment method	Adhered	Nominal	Nominal
3	Insulation attachment method	Mechanically fastened	Nominal	Nominal
4	Insulation (0.15)	BauderPIR FA Flatboard	140	4.2
5	Air and vapour control layer (AVCL)	BauderSYN DB-PE 100	0.16	0.15
6	Bauder PIR infills	Loose laid PIR infills to height of existing ribs of metal roof	50mm (or as specification)	1.65
7	Existing Substrate	Existing Profiled Metal Roof		
<b>System Build-up</b>			<b>193.66</b>	<b>8.0</b>
In-depth and up-to-date product specific technical data is available for each element within a system. Download from our website <a href="http://bauder.co.uk/technical-centre">bauder.co.uk/technical-centre</a>				

Warm 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
- Our guarantee offer is clear and concise covering what is included/not included along with the conditions of the guarantee. A sample guarantee for this system is available on request.

# System summary

## Accreditations and approvals



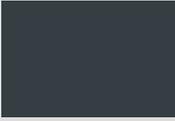
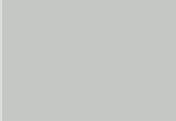
System variations are available to the specifier so that a tailored solution meets the needs of the building. The selection of products should be confirmed with our technical department to ensure suitability for the individual construction requirements of the flat roof.

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

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

BauderPIR FA Flatboard Insulation thickness (not accounting for PIR Infills)	Approx. 'U' VALUE (W/m <sup>2</sup> K)	Weight (kg/m <sup>2</sup> )
120mm	0.17/018	3.6
140mm	0.15	4.2
160mm	0.13	4.8
180mm	0.12	5.4

Approx. 'U' VALUE (W/m<sup>2</sup>K) 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](http://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](mailto:technical@bauder.co.uk) for clarification.