

# System summary

## Liquid applied warm roof covering system - cold applied

### Bauder LiquiTOP Insulated System

Two coat polyurethane waterproofing with glass fibre reinforcement, cold applied liquid, warm roof system suitable for new build and refurbishment applications.

	Function	Product name	Thickness (mm)	Weight (kg/m <sup>2</sup> )
1	Waterproofing	Bauder LiquiTOP PU applied in 2 coats, reinforced with Bauder LiquiTOP Glass Fibre Mat	1.8	2.9
2	Carrier membrane	BauderTEC DBR 06	0.6	0.6
3	Insulation (0.15)	BauderPIR FA-TE	140	4.2
4	Insulation attachment method	Bauder Activator-Primer (Canister)	nominal	nominal
5	AVCL	BauderTEC DBR 06	0.6	0.6
	Primer	Varies depending upon substrate type – please refer to specification	nominal	nominal
<b>System Build-up</b>			<b>143.0</b>	<b>8.3</b>

Warm roof indicative build-up

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)

#### Characteristics of the system

- Single pack polyurethane system – no mixing required.
- Seamless cold applied liquid.
- Monomer stripped isocyanate prepolymer – reduced risk of sensitisation for installers.
- Comprehensive guarantee packages to meet project requirements.

#### Accreditations and approvals



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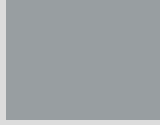
System variations are available to the specifier so that a tailored solution meets the needs of the building. The selection of products should be confirmed with our technical department to ensure suitability for the individual construction requirements of the flat roof.

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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)

<b>Membrane finish colours</b> LiquiTOP PU Dark Grey (Approx. RAL 7011) is used as the top layer			
	Dark Grey RAL 7011 (Approx.)	Mist Grey RAL 7040 (Approx.)	

Alternative AVCL	Thickness (mm)	Weight (kg/m <sup>2</sup> )
BauderTEC KSD FBS	2.5	2.5

FA-TE Insulation thickness	Approx. 'U' VALUE (W/m <sup>2</sup> K)	Weight (kg/m <sup>2</sup> )
120mm	0.17/0.18	3.6
140mm	0.15	4.2
180mm (120 + 60)	0.12	5.4
190mm (160 + 30)	0.11	5.7

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

Alternative insulation to achieve 'U' VALUE 0.15 (W/m <sup>2</sup> K)	Thickness (mm)	Weight (kg/m <sup>2</sup> )
BauderPIR FA G16 Tapered	140 (average)	4.2 (average)
Bauder VIP TE Flatboard***	80	Varies
BauderROCK Flatboard	255 (150 + 105)	40.8
BauderGLAS Flatboard	230 (130 + 100)	23

\*\*\*VIP TE Insulation based on 80mm VIP TE with PIR FA-TE at infills and perimeters utilising 70% VIP and 30% FA-TE to achieve approx. 0.14 U Value. A project specific VIP TE design would be required to confirm exact U Value achieved.

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## 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](https://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.