

# Technical data sheet

## Bauder PU Insulation Adhesive - Tin

V5 01.05.2024

<b>Product description</b>	Bauder PU Insulation Adhesive is a foaming moisture-curing polyurethane and is solvent free, non-flammable, and has low odour.
<b>Application fields</b>	It is simple to apply straight to the mica faced AVCL from the tin in beads, as it is a single component Moisture Cure PU adhesive. Bead widths and number of beads stated below. The product is chemical and water resistant. <b>This product MUST NOT be used to bond two metal foil surfaces together.</b>
<b>Article Number</b>	GB60301100



Characteristic	Unit	Value
Gross Weight	kg	7
Net weight	kg	6.5
Colour		Brown
Coverage	m <sup>2</sup>	40
Shelf life unopened	months	12
Application Temperature	°C	+5 to +30 (Where the temperature falls outside of this, please refer to Summer & Winter Advice documents from Bauder).
Curing Time at 20°C	mins	30
Viscosity	CPS	4000
Solids content	%	100
Liquid content	litre	6

<b>Storage guidance</b>	<p>The product should be stored in a secure storage cage, unopened in a dry condition at a temperature of 5°C to 25°C. This will ensure the stated shelf-life. Where there are storage containers on site, these may be suitable for storing products.</p> <p>The product is a moisture-sensitive adhesive, which will eventually gel if left in open contact with air. Bauder takes every care to ensure that our product is supplied fit for purpose by protecting the adhesive with a layer of nitrogen inside the tin prior to despatch. This ensures a storage life of twelve months, provided that the container is left unopened in a dry condition at a temperature of +5 to +30°C. The layer of nitrogen will disappear, and the adhesive will have a limited life once the container is opened. It is also important to note that carbon dioxide will be given off if water enters the adhesive container, which can cause pressurisation.</p> <p>The products must not be exposed to a direct naked flame or other ignition sources, or to solvents or other chemicals.</p> <p>All information is provided as a guideline only. Open time and cure time are both dependent on a range of variables: temperature, substrate being bonded, method of application, weight of adhesive applied and relative humidity.</p>
<b>Packaging material</b>	The product will be delivered in a steel tin.
<b>Handling/PPE</b>	All persons using the product should be fully aware of the manual handling methods as roofing materials are heavy and can cause serious injury. When using the product, installers should be provided with, and wear, suitable personal protective equipment.
<b>Emptying and disposal guidance</b>	Containers which have been emptied, but not washed out in line with the specific methods and calculations prescribed in WP1 and WM3, should be classified as packaging containing residues of/or contaminated by hazardous substances using waste code 15-01-10. Containers with hazardous residues that have been emptied and washed-out in line with the method and calculations which are detailed in the industry guidance can be classified as non-hazardous waste packaging.
<b>Further information/ documents</b>	Current documents such as brochures, installation guides, etc. can be found by visiting <a href="http://www.bauder.co.uk">www.bauder.co.uk</a>
<b>International Standards Organisation (ISO)</b>	<p><b>ISO 9001:2015 Quality Management</b> Certificates EN1271 (UK)</p> <p><b>ISO 14001:2015 Environmental Management Certificates</b> A10552 (UK)</p>

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## SUITABLE FOR USE WITH THE FOLLOWING AIR & VAPOUR CONTROL LAYERS (AVCL's)

KSD FBS  
Super AL-E  
EVA 35  
Mica finished AVCL's  
RBM  
Asphalt

## SUITABLE FOR USE WITH THE FOLLOWING BAUDER INSULANTS

PIR FA-TE Insulation (foil faced)  
PIR FA Insulation (foil faced)  
PIR FA G16 Tapered Insulation (foil faced)  
PIR G Tapered Insulation (un-faced)  
PIR M Flatboard Insulation (tissue faced)  
VIP TE Insulation  
PIR KL T 50  
BauderROCK insulation & Mineral Wool insulation with water-overmist  
BauderGLAS insulation & Cellular Glass insulation with water overmist

## NOT SUITABLE FOR USE WITH THE FOLLOWING

Foil to Foil applications – e.g. PIR FA-TE to PIR FA-TE, PIR FA G16 Tapered to PIR FA-TE, or PIR FA to KSD Foil  
Bauder KFS G16 & GFS G16 Infills  
Paper-foil faced insulation

Please contact Bauder Technical Department if you require any further suitability's confirmed.

### **Installation Guidance:**

1. Surfaces must be clean, dry and free from contamination.
2. Apply directly onto the substrate in liquid beads 10-20mm wide.
3. The adhesive should be applied in strips following the direction of the board length, ensuring continuous and equally spaced adhesive beads within each board width:

500mm width insulation boards - 2 no: (increase to 3 no. at roof perimeter)\*  
600mm width insulation boards – 2 no: (increase to 3 no. at roof perimeter)\*  
800mm width insulation boards – 3 no: (increase to 4 no. at roof perimeter)\*  
1000mm width insulation boards - 4 no: (increase to 6 no. at roof perimeter)\*  
1200mm width insulation boards – 4 no: (increase to 6 no. at roof perimeter)\*

*\*BS EN 1991-1-4 uses the following guidance to calculate perimeter zones. Buildings up to and including 10m in height have a perimeter zone of not more than 2m. Buildings over 10m, uses the calculation of  $2 \times \text{the building height} \div 10$ . These are general guidance rules and do not take into account all of the information used in a full wind uplift calculation, they are therefore superseded by a project specific calculation.*

4. Immediately place the insulation board directly onto the adhesive.
5. Apply pressure to the insulation board to ensure full contact with adhesive.
6. Allow to cure (30 minutes @ 20°C) before waterproofing the insulation boards.

### **BauderROCK & BauderGLAS Insulation further requirements:**

Please follow the above guidance for all points. After point 3 and before point 4, please add a 'water-overmist' to the wet adhesive beads - "Use a hand-held pressure sprayer with a pump-action to achieve a very fine mist of water over the surface of the insulation adhesive. Avoid excessive over-wetting". This will start the curing process of the adhesive in this type of application. Where there is excessive over-wetting, please remove from the insulation board with a dry cloth prior to application of the top insulation board. Please leave 'open' for 5 minutes before placing board into wet adhesive.

**Safety Data Sheets are designed to provide the necessary information to recipients of substances and mixtures in the EU & UK. This product is classed as a substance/mixture; therefore, this product does have a requirement for a Safety Data Sheet.**