Technical data sheet

Bauder PU Insulation Adhesive - Twin Cartridge

V5 13.05.2024

Product description	Bauder PU Insulation Adhesive - Twin Cartridge is a solvent-free, non-flammable, twin pack, chemical-curing, high-foaming, insulation adhesive, for securely bonding insulation boards to various vapour control layers and roof substrates. Supplied in boxes of 4.
Application fields	It is dispensed from twin cartridges via an application gun to apply beads of adhesive straight to the AVCL. Bead widths and number of beads stated below. The product is chemical and water resistant. **This product is suitable for bonding two metal foil surfaces together.**
Article Number	GB60301200

Characteristic	Unit	Value
Gross Weight	kg	7 (per box of 4) 1.75 (per twin cartridge)
Net weight	kg	6.5 (per box of 4) 1.63 (per twin cartridge)
Colour		Part A – Clear, Part B - Brown
Coverage per twin cartridge	m²	14
Coverage per box of 4	m²	56
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 10°C	mins	20
Curing Time at 20°C	mins	10
Viscosity	CPS	4000
Solids content	%	100
Liquid content	ltr	6 (per box of 4) 1.5 (per twin cartridge)

Storage guidance

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. The product will have a limited life once the container is opened. The products must not be exposed to a direct naked flame or other ignition sources, or to solvents or other chemicals.
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.

Packaging material

The product will be delivered in a carboard box.

Handling/PPE

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.

Emptying and disposal guidance

Disposal Advice—Dispense all product from the used cartridge and allow to cure, remove nozzle and allow product to cure in the cartridge and nozzle. Once mixed and cured the polyurethane is classed as non-hazardous waste. Plastic cartridge and nozzle should be considered as plastic waste.
Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Further information/ documents

Current documents such as brochures, installation guides, etc. can be found by visiting www.bauder.co.uk

International Standards Organisation (ISO)

ISO 9001:2015 Quality Management
Certificates EN1271 (UK) and 70499/03-15_e (Germany)

ISO 14001:2015 Environmental Management Certificates
A10552 (UK) and 70499/03-15_d (Germany)

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

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

SUITABLE FOR USE WITH THE FOLLOWING BAUDER INSULANTS

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

NOT SUITABLE FOR USE WITH THE FOLLOWING

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. Application temperature must be between 5-30°C.
3. Remove the tip of the twin-cartridge using a screwdriver and attach the static mixer.
4. Put the cartridge into the applicator and empty a small amount (as waste) until the adhesive is even in colour.
5. Apply the adhesive directly in liquid beads using a cartridge gun; the beads should be 6mm wide.
6. The adhesive should be applied in strips following the direction of the boards 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 x the building height ÷ 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.*

7. Immediately place the insulation board directly onto the wet adhesive (within 1 minute of application).
8. The beads will foam to 20mm in width to ensure contact with the insulation board.
9. Allow to cure for 10 minutes (@20C) before waterproofing the insulation board.

Automatic Application Tool – for use with power drills: Available from Apollo Roofing Solutions Ltd,

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.

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