

## BauderMINERAL NC 56mm Inverted Upstand Board

18.11.2025

### Product description

An A1 non-combustible upstand board consisting of a stone wool insulation slab bonded to 6mm weather resistant fibre-cement facing, making a combination of two non-combustible products. The insulation facing provides impact resistance as well as UV protection to the stone wool core.

### Application fields

Provides an impact and weather resistant non-combustible thermal insulation for use on low level inverted roof upstands including to, and across compartment walls where a non-combustible board is required.

This product is specifically for use at upstands where BauderXPS (300) and BauderJFRI Inverted Insulation is used on the main flat area.



### Article Number

GB35010050

Characteristic	Test method	Unit	Value
Length	BS EN 822	mm	1200
Width	BS EN 822	mm	600
Thickness	BS EN 823	mm	50mm insulation + 6mm fibre cement board
Weight (board/m <sup>2</sup> )	-	kg	10/14
<b>Declared Performance</b>			
<b>Facing: fibre cement board</b>			
Colour	-	-	Grey
Thickness – nominal	-	mm	6
Density	-	Kg/m <sup>3</sup>	1390
Thermal conductivity	-	W/mK	0.30
Flexural strength (ave Parallel & Transverse) Bending strength	-	MPa MPa	NPD 19.0
Fire Performance (component ratings)	BS EN 13501-1	-	A1
<b>Insulation</b>			
Colour	-	-	Grey/Green
Thickness	BS EN 823	mm	50
Thermal conductivity	BS EN 13162	W/mK	0.034
Nominal density – mineral wool only	BS EN 1602	Kg/m <sup>3</sup>	100
Fire Performance (component ratings)	BS EN 13501-1	-	A1
<b>Fire Performance (Facing + Insulation)</b>	Classified Euroclass A2-s1, d0 to BS EN 13501 – 1:2018 by MPA NRW under classification report no. 544083 dated 28.11.2024. A2=limited combustibility. S1 (smoke) quantity/speed of emission=absent or weak. D0=no dripping.		

Current interpretation of upstand insulation requirements for “Relevant Buildings” are:

1. If the insulation is a thermal break and finishes not more than 150mm above the finished roof level, then it is exempt from the ban. BauderXPS, BauderGLAS or BauderMINERAL NC 56mm Inverted Upstand Board are applicable.
2. If the insulation is taken up further above 150mm against a habited wall, then it is required to be Class A Upstand Board such as BauderMINERAL NC 56mm Inverted Upstand Board or BauderGLAS Upstand Insulation.
3. If upstand insulation is used against a parapet where it will extend beyond 150mm above the finished roof level, or the 300mm minimum requirement for a thermal break, but not greater than 1100mm, it is required to be a Class A Upstand Board such as BauderMINERAL NC 56mm Inverted Upstand Board or BauderGLAS Upstand Insulation. Exceeding the thermal break requirement with an upstand board should be questioned as to why it is needed.

The above guidance was appropriate at the time of writing but is often open to interpretation and therefore should always be confirmed by the Building Control officer for the project.

### Packaging material

BauderMINERAL NC 56mm Inverted Upstand Boards are fully palletised and wrapped in a polythene shroud for protection during transit and for short-term protection if stored outside.  
Pallet size – 1.2m x 1m x 1.2m high approx.  
36 boards per pallet (25.92m<sup>2</sup>)

### Transport

BauderMINERAL NC 56mm Inverted Upstand Boards are generally transported direct to site from the manufacturer on artic or rigid vehicles. Smaller specialist vehicles such as rigid/moffett/flat bed/pump truck & tail lift are available. Due to the weight of this material all insulation must be offloaded via a forklift or crane and cannot be handballed.

# Technical data sheet

<b>Handling/PPE</b>	All persons using this product should be fully aware of the manual handling methods as roofing materials are heavy and can cause serious injury. When using this product, installers should be provided with, and wear, suitable personal protective equipment. PPE should include safety goggles to protect against dust / projectile material, gloves to protect against possible sharp edges on the laminate board and a suitable dust mask to protect against dust inhalation. The mechanical effect of coarse fibres in contact with throat, skin or eyes may cause temporary itching/inconvenience.
<b>Storage guidance</b>	Store the materials outdoors with suitable robust UV resistant, flame-retardant tarpaulin. Ensure the product(s) are clear of buildings and any other storage areas. The products must not be exposed to a direct naked flame or other ignition sources, or to solvents or other chemicals. All insulation boards must be kept dry, on pallets and off the ground. The packaging of Bauder Insulation products should not be considered adequate for weather protection. Where there are storage containers on site, these may be suitable for storing products. Damaged boards must not be used.
<b>Shelf life</b>	When stored correctly, the product has no stated shelf life.
<b>Disposal guidance</b>	Off-cuts need to be disposed via an authorised disposal contractor to an approved waste disposal site, observing all relevant regulations. (European waste catalogue EWC number 17 06 04 "Insulation material").
<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>

**Installation Guidance**

The BauderMINERAL NC 56mm Inverted Upstand Board is designed to be used with Bauder EPS and XPS Inverted Roof Insulation.

BauderMINERAL NC 56mm Inverted Upstand Board is supplied as a 1200 x 600mm board and can be used either way up or cut to size as required. When installed, provided that the top surface is protected by an appropriate coping, cill or cover flashing, BauderMINERAL NC 56mm Inverted Upstand Board is suitable for long term exposure – for example when used in conjunction with an inverted roof system. Under no circumstances should the stone wool slab be exposed.

Generally, the inverted upstand board should be installed first, so it can be wedged in position at the base by the boards subsequently applied to the flat areas.

If there are single or multiple layers of insulation to the horizontal field areas, BauderMINERAL NC 56mm Inverted Upstand Board must always be sat on the deck. Not on the first or second layers.

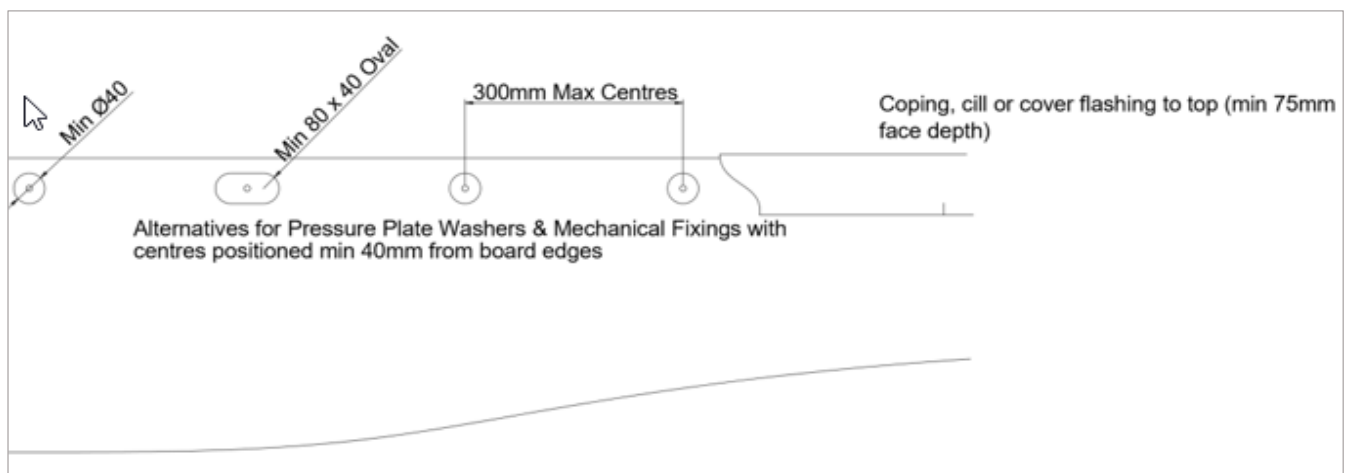
Low Level Installations up to 150mm above the ballast.  
No fixing required providing installation guidance above is followed.

High Level Installations Mechanical Fixing – Installations exceeding 150mm above the ballast\*  
Mechanical fixings should be stainless steel or galvanised steel with appropriate pressure plate washers (minimum 40mm diameter). Fixing type, material, grade, diameter, length, number and position etc. should be specified to suit substructure and site conditions. Alternatively, boards can be tightly clipped continuously on top edge with a minimum continuous cover depth of 75mm. Boards should be pre-drilled with over-sized holes relevant to cement particle board, (at least 2mm oversize), to allow for expansion. Fixings should typically be positioned across the top edge of the board at maximum 300mm centres, minimum 40mm from the corners of the board and 40mm in from the top edge to avoid damage to the board finish.

Additionally, one horizontal strip of suitable PU adhesive should be used at mid-point of the exposed board area, if exposed area is greater than 750mm above the surfacing finish.

\*Upstand board heights to be maximum of one board, longest length.

Mechanical fixings are only allowed in the areas described in this document.



## Fixing Alternatives - Installation

### Low Level Installation

### High Level Installation

# Technical data sheet

Base of board pinned in place by the horizontal inverted roof insulation (by minimum 100mm)	✓	✓
Board edges must be tightly butted vertically	✓	✓
Board adhered to the vertical waterproofing detail with suitable adhesive in situations described in this document.		✓
Top edge of board mechanically fixed		✓
Board centre is adhered to the vertical detail with suitable adhesive. Mechanical fixings are only allowed in the areas described in this document.		✓
Top edge of board is fixed and protected by a minimum of 75mm by an appropriate coping, cill or cover flashing (by others)	✓	✓

## Cutting & Drilling

When cutting and drilling BauderMINERAL NC 56mm Inverted Upstand Board, it may be saw cut by hand or with an appropriate power tool.  
Mineral wool insulation - When cutting by hand, it can easily be cut with a long-bladed knife or insulation saw available from DIY/Builders Merchant outlets. Please ensure the correct PPE is worn when using or cutting insulation or fibre cement board. Fibre cement board - When cutting, use relevant power tools such as a disc cutter, jig saw or angle grinders using a diamond tipped blade. Please ensure the correct PPE is worn when using or cutting insulation or fibre cement board. Holes required in fibre cement board should be drilled with standard masonry bits.  
Please ensure all installation specifications meet any associated Building and Fire Regulation requirements.

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 an article; therefore, this product does not have a requirement for a Safety Data Sheet.

