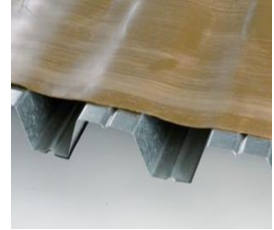


Bauder Acoustic Membrane

V6 07.12.2023

Product description

Bauder Acoustic Membrane is a sound deadening, flexible polymer mass layer which can be used to reduce noise transmission through the roof system. There are two different weights of membrane to choose from, depending on the performance required. Bauder technical department should be contacted for advice regarding selection of the most appropriate product.



Application fields

To be used above or beneath the air & vapour control layer in Bauder systems on profiled metal decks, as a noise reduction layer. Where this product is used, the insulation **must** be mechanically fixed. Improves both airborne and impact noise levels. Available as a roll for quick and easy installation. Suitable for new build and refurbishment.

Article Number

GB30222405 (5kg/m²)
GB30222410 (10kg/m²)

Characteristic (5 kg/m ² membrane)	Unit	Value
Length	mm	6050
Width	mm	1220
Thickness	mm	2.5
Weight	kg/m ²	5
Coverage	m ²	7.38
Tensile strength	N/50mm	150
Compressive strength	kg/m ²	4.54
Thermal conductivity	W/mk	0.45
Characteristic (10 kg/m ² membrane)	Unit	Value
Length	mm	4000
Width	mm	1200
Thickness	mm	5
Weight	kg/m ²	10
Coverage	m ²	4.8
Tensile strength	N/50mm	150
Compressive strength	kg/m ²	4.54
Thermal conductivity	W/mk	0.45

Storage guidance

The product should be stored in dry premises, protected against weathering, and must not be exposed to temperatures exceeding 35°C.

Packaging material

All products are wrapped in polythene for short term protection.

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. Mechanical or two-man lifting is essential.

Disposal guidance

Disposing of any waste material must be carried out in accordance with national regulations.

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)

ISO 14001:2015 Environmental Management Certificates
A10552 (UK)

Installation Guidance

- Rolled out loose directly over the metal deck or over the installed Bauder AVCL, at 90° to the crowns.
- It is not necessary to remove the plastic film.
- Adjacent membranes should be overlapped by a minimum of 50mm as small openings can reduce the level of acoustic performance.
- Where required, the product is easily cut using a craft knife.

Technical data sheet

NOISE REDUCTION PERFORMANCE EXAMPLES – The results below are applicable regardless of whether the Acoustic membrane is installed above or below the AVCL.

Example 1 (Achieves U Value of 0.25W/m²K)	Bauder Thermofol		
	150mm BauderROCK		
	Bauder AVCL		
	No Bauder Acoustic Membrane	5kg Bauder Acoustic Membrane	10kg Bauder Acoustic Membrane
	Metal Deck (TATA D100, 0.7mm)		
	Airborne Noise Reduction	42dB (RW)	44dB (RW)
Rain Noise Reduction	51db (LIA)	47.4dB (LIA)	45.8dB (LIA)
Example 2 (Achieves U Value of 0.18W/m²K)	Bauder Thermofol		
	60mm BauderROCK		
	150mm BauderROCK		
	Bauder AVCL		
	No Bauder Acoustic Membrane	5kg Bauder Acoustic Membrane	10kg Bauder Acoustic Membrane
	Metal Deck (TATA D60)		
Airborne Noise Reduction	44 dB (Rw)	46 dB (Rw)	47 dB (Rw)
Rain Noise Reduction	48.3dB (LIA)	44.8dB (LIA)	43.5dB (LIA)
Example 3 (Achieves U Value of 0.15W/m²K)	Bauder Thermofol		
	150mm BauderROCK		
	105mm BauderROCK		
	Bauder AVCL		
	No Bauder Acoustic Membrane	5kg Bauder Acoustic Membrane	10kg Bauder Acoustic Membrane
	Metal Deck (TATA D100, 0.7mm)		
Airborne Noise Reduction	46db (RW)	47db (RW)	49db (RW)
Rain Noise Reduction	46.8db (LIA)	43.1db (LIA)	42.1db (LIA)
Example 4 (Achieves U Value of 0.13W/m²K)	Bauder Thermofol		
	150mm BauderROCK		
	150mm BauderROCK		
	Bauder AVCL		
	No Bauder Acoustic Membrane	5kg Bauder Acoustic Membrane	10kg Bauder Acoustic Membrane
	Metal Deck (TATA D100, 0.7mm)		
Airborne Noise Reduction	48db (RW)	50db (RW)	50db (RW)
Rain Noise Reduction	45.5db (LIA)	41.7db (LIA)	40.8db (LIA)

Note: For advice on the preferred Bauder system to achieve noise reduction targets for specific projects please contact Bauder technical department.

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.



DoP can be found via the website



DoC can be found via the website