

PRODUCT DATA SHEET

## BauderTEC DBR 06 Air & Vapour Control Layer (AVCL)

A technically advanced self-adhesive elastomeric reinforced bitumen air and vapour control layer, featuring an aluminium foil facing for vapour impermeability. The product is thinner than other Bauder air and vapour control layers and is therefore lightweight. If this product is being used in a fully bonded system then a Bauder Self Adhesive Primer will be required.

The product benefits from cleaner, safer and faster installation than traditional torch applied membranes.



### Intended Use

The product is used as an air and vapour control layer in Bauder Single Ply and Cold Applied Liquid systems for installation over certain existing roof systems and all common deck substrates, including profiled metal decks, following the application of Bauder Activator-Primer or Bauder SA Bonding Primer. It is also used as the carrier membrane over insulation and timber decks with Bauder Cold Applied Liquid systems. It is not intended for direct application to concrete decks or as temporary waterproofing.

### PRODUCT INFORMATION AND TECHNICAL PERFORMANCE

Weights and Sizes	Test Method	Unit	Value
Roll width	EN 13970	m	1.25
Roll length		m	32
Thickness		mm	0.6
Weight		kg/m <sup>2</sup>	0.6
Roll size		m <sup>2</sup>	40
Pallet quantity		m <sup>2</sup> /pallet	960 (40 rolls)
Reinforcement		g/m <sup>2</sup>	50 – aluminium/polyester combination
Vapour Resistance		MNs/g	1500.00
Reaction to fire	EN 13501-1		Class E

### SURFACE FINISHES

Top:	Aluminium foil
Bottom:	Peel off release film covering self-adhesive bitumen

### PRODUCT INFORMATION AND TECHNICAL PERFORMANCE

Characteristics	Unit	Value
Tensile strength	N/mm	≥ 950/50
		≥ 750/50
Cold bending test	°C	≤ -40
Shelf Life		9 months from date of manufacture

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**CERTIFICATION AND ENVIRONMENTAL INFORMATION**

BRE Green Guide generic bituminous system rating	A+ to B dependant upon deck type
International Standards Organisation (ISO)	<p>ISO 9001:2015 Quality Management Certificates EN1271 (UK) and 70499/03-15_e (Germany).</p> <p>ISO 14001:2015 Environmental Management Certificates A10552 (UK) and 70499/03-15_d (Germany).</p> <p>ISO 50001: 2011 Energy Management Certificate 70499/03-15_c</p>

**INSTALLATION GUIDANCE**

**Substrate assessment / pre-treatment / preparation**

Ensure that the substrate is clean, dry and free from dust, laitance, grease, oil and any other contamination. The substrate must be assessed, treated and prepared in accordance with the Bauder project specification.

TEC DBR 06 is not suitable to be used as an AVCL on a new concrete deck or a recently exposed existing concrete deck.

For other deck types the membrane can be left for up to 48 hours exposed but should not be treated as a temporary waterproofing membrane. The membrane must be installed onto a substrate with a fall  $\geq 1:80$ . The direction of the length of the membrane should follow the fall and for metal decks all laps should be fully supported onto the crowns, the cross laps spanning the crowns should be on a reinforcing strip.

The reasons for the above guidance are - none of the membrane's laps can be relied upon to be fully watertight, even when hot air welded. Also, on a concrete deck when there is standing water (usually containing alkali slurry) this can delaminate the top foil surface of the membrane. Prolonged exposure to UV can also cause the top foil surface to delaminate. A delaminated top surface will compromise any subsequent bond of the insulation.

**General Installation**

BauderTEC DBR 06, self-adhesive bitumen membrane is to be fully bonded by removing the release film and rolling into place.

Side and end laps to be a minimum 100mm.

All laps to be pressure rolled to ensure an adequate bond.

Note: Self-adhered side laps should not be treated as fully watertight. Therefore, this method should only be used in areas where the remaining layers of the waterproofing system can be completed the same day.

Installation is to be carried out by Bauder Approved Contractors in accordance with the specification and guidelines. Please consult the Bauder Technical Department.

**Note: The minimum ambient / substrate temperature for the application of BauderTEC DBR 06 is +5°C.**

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### **Installation with Single Ply Systems**

This product is suitable as an air & vapour control layer for installation over certain existing roof systems and deck substrates including profiled metal and plywood. Application of Bauder SA Bonding Primer, or Bauder Activator-Primer is essential in a fully adhered build up.

Refer to the Bauder Installation Manual for further Guidance.

### **Installation with Cold Applied Liquid Systems**

Apply Bauder Activator-Primer or SA Bonding Primer as detailed in the Bauder Project specification.

For use in Bauder cold liquid applied systems, upstands and details are to be primed with the relevant cold liquid system primer.

Provision should be made by the installer for mechanically fixing the top leading edge of the BauderTEC DBR 06 to all upstand details in excess of 250 mm in height using appropriate fasteners. In the event of doubt, Bauder should be consulted regarding any specific requirement.

On roof slopes greater than 5°, all head laps in the carrier membrane must be mechanically fixed as detailed in the Bauder project specification.

### **- Air and Vapour Control Layer Application**

The BauderTEC DBR 06 air and vapour control layer is to be fully bonded up all upstands to finish 50mm above the level of the proposed insulation, terminating at least 100mm short of the proposed finished liquid waterproofing height. It is not for use on new or existing concrete decks; for these applications BauderTEC KSD Mica should be used.

### **- Carrier Membrane Application**

When applied to Bauder FA-TE foil faced insulation, the insulation must be primed with Bauder Activator-Primer first.

The carrier membrane is to seal with the air and vapour control layer at all upstands and details by 50mm and should extend 100mm above the insulation level, terminating at least 50mm short of the proposed finished liquid waterproofing height.

When applied as a carrier membrane to plywood or OSB3 decks, the deck is to be primed with Bauder Activator-Primer, and upstands and details that are not to be fully encapsulated in the carrier membrane are to be primed with the relevant cold applied liquid system primer as detailed in the Bauder project specification. The carrier membrane is to be fully bonded up all upstands to finish 100mm above the deck level, terminating at least 50mm short of the proposed finished liquid waterproofing height.

**In all cold applied liquid applications where the detail is not fully encapsulated with the carrier membrane, the liquid waterproofing is to be applied to the upstand by a minimum of 50mm to act as the waterproofing seal.**

Refer to the Bauder Installation Manual for further guidance.

Bauder reserves the right to amend information and product specifications without prior notice. All reasonable care has been taken to ensure that all data is current at the time of print, however because Bauder pursues a policy of constant development we recommend ensuring that your copy of this information is current by contacting our Technical Department at [technical@bauder.co.uk](mailto:technical@bauder.co.uk)

Recommendations for use should be verified as to the suitability and compliance with actual requirements, specifications, installation techniques and any applicable laws and regulations.

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