

Baumit Mineral

Facade insulation board

Product	High-density, compression-resistant rock wool insulation boards. System component of the Baumit External Wall Insulation System Mineral . Tested according to EN 13162 and ETAG 004.	
Composition	Rock wool.	
Properties	Improved thermal and sound insulation, inflammable, water resistant, rot resistant, form retentive, resistant to ageing and water vapour permeable.	
Intended use	For buildings which require an inflammable external wall insulation system. The board surface is coated on one side for rendering. For the splash zone, we recommend using Baumit XPS TOP perimeter insulation board.	
Technical data	Product type:	MW-PT according to ÖNORM B 6000 MW-EN 13162-T5-DS(T+)-DS(TH) -
	Designation code:	CS(10)40-TR10-WS-WL(P)-MU1 ca. 145 kg/m ³
	Apparent density:	≥ 10 kPa
	Transverse tensile strength:	0.040 W/mK
	Coefficient of thermal conductivity λ _D :	1
	Coefficient of vapour diffusion resistance μ:	800 x 625 mm
	Board size:	silicate coating on one side
	Board surface:	A1 (Euro class) in accordance with
	Reaction to fire:	DIN EN 13501-1 ≥ 1000° C
	Melting point:	
Health and safety	Not subject to labelling requirements.	
Storage	Store in dry conditions and protect from UV radiation (sunlight), moisture and mechanical damage.	
Quality assurance	In house monitoring through our own laboratories. Third party inspection is carried out through a certified body.	
Packaging	Packs wrapped in polythene.	
	thickness*) [mm]	20 40 60 80 100 120 140 160 180
	boards per pack	
	m ² per pack	
Substrate	The background must be clean, dry and free from frost and dust, not water repellent, free from efflorescence, able to support the insulation system and be free of loose particles. The background condition and flatness must be inspected according to the guidance set out in the Baumit EWI Installation Guidelines.	
Application	<p>Splash zone: The bottom edge of the insulation system must be sealed tight to the substrate. Baumit perimeter insulation board XPS TOP must be used for areas within and below the splash zone (min. 300 mm above finished ground level). Use the base profile Baumit SockelProfil therm where the insulation system starts at or above the DPC line to protect and seal the bottom edge of the system. The base profile may not be installed below the DPC line or at ground level. Refer to the Product Data Sheet for fixing instructions.</p> <p>Fitting the insulation boards: Generally only full insulation boards should be used rising up from the bottom row,</p>	

fitted tightly together with a staggered bond between rows. Board off-cuts (min. 150 mm lengths) may be used in the main wall areas but not at building corners or openings. Care must be taken to ensure that the board surfaces sit flush. The board joints must be free of gaps and adhesive. The corner of an insulation board must not meet the corner of an opening (cross joint). Each row of boards must form an overlap (toothed joint) to the board depth at building corners. Only full and half boards may be used here.

Gaps < 4 mm which may occur in the board joints may be filled with Baunit **FüllSchaum B1** expanding foam.

Adhesive application:

Mineral wool boards which are not pre-coated must be prepared with a full, thin coat of **StarContact Forte** pressed firmly into the board surface with a stainless steel plastering trowel.

A 50mm wide strip of **StarContact Forte** is applied around the perimeter face of the insulation board and 3 equally spaced hand-sized adhesive dabs through the centre line. Enough adhesive must be applied to ensure that the bonded board has a 10-20 mm thick adhesive layer with a surface contact of at least 40%. Deviations in the background flatness of up to 10 mm can be accommodated in the adhesive layer.

Fixing anchors:

After sufficient hardening of the adhesive layer the Baunit **Mineral** façade insulation boards must be mechanically fixed with a minimum of 6 anchors/m². The number of fixing anchors may increase in accordance with loading calculations.

Please refer to Baunit for details of suitable fixing anchors.

Basecoat and reinforcement:

Baunit **StarContact Forte** is applied to the boards with a stainless steel notched trowel (10 mm notches).

Continuous sheets of **StarTex** reinforcing mesh are placed onto the **StarContact Forte**, free of creases and with 100 mm overlapping edges. A further 1-2mm of **StarContact Forte** is applied wet on wet over the embedded **StarTex** reinforcing mesh. The **StarTex** reinforcing mesh must be covered with at least 1 mm (0.5 – 3 mm max. at the overlapping edges) of **StarContact Forte**. Excessive trowelling is to be avoided. Trowel lines are to be removed after hardening.

The overall basecoat thickness must be from 5 – 8 mm.

Topcoat renders:

Refer to the relevant Baunit Product Data Sheet for information regarding Baunit topcoats.

In addition to the quoted standards, the current guidelines for installing External Wall Insulation Systems must be observed!

Further information

The air, material and background temperature must be above +5° C during application and curing. Protect the facade from direct sunlight, rain and strong winds (i.e. with scaffold nets). High air humidity and low temperatures can prolong drying times considerably.

Facade insulation boards which have been exposed to UV radiation (sunlight) for more than 2 weeks (yellowing of the board surfaces) must be sanded down and the dust removed before application of the basecoat render.

The information contained in this product data sheet together with any additional written or verbal information provided by Baunit is based on Baunit's previous experience of this product and reflects Baunit's current understanding of the properties of the product. However, the Customer acknowledges that the advice given in this product data sheet is not intended to be legally binding nor to create any obligation which is legally enforceable against Baunit. It is the customer's responsibility to make its own enquires and investigations into the properties and use of this product and to verify that the product is fit for the customer's intended use. Baunit reserves the right to make changes to the product without prior notice.

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