

Baumit openContact



- Highly vapour permeable
- New build and refurbishment
- Aerated lime

Product:	Factory prepared mineral based, natural white, vapour-permeable dry powder adhesive and basecoat render mortar. Suitable for manual and machine application. A system component for the Baumit openSystem external wall Insulation system. Tested according to ETAG 004.																		
Use:	<ul style="list-style-type: none">■ Dual purpose contact mortar: As an adhesive for bonding Baumit facade insulation boards and a thin layer basecoat (with reinforcing mesh) onto Baumit façade insulation boards.																		
Properties:	<ul style="list-style-type: none">■ Vapour permeable, high bonding strength, water resistant and good workability.																		
Composition:	White cement, organic binders, sands and additives.																		
Technical Data:	<table><tr><td>Aggregate size:</td><td>0.6 mm : 1 mm</td></tr><tr><td>Dry bulk density:</td><td>ca. 1350 kg/m³</td></tr><tr><td>Thermal conductivity λ:</td><td>ca. 0.8 W/mK</td></tr><tr><td>Water vapour diffusion resistance μ value:</td><td>ca. 18</td></tr><tr><td>S_d -value:</td><td>0.05 m (at 3 mm thickness)</td></tr><tr><td>Water requirement:</td><td>ca. 6 l/ 25 kg sack</td></tr><tr><td>Minimum basecoat thickness:</td><td>Refer to table below</td></tr><tr><td>Consumption as basecoat:</td><td>ca. 5.0 – 6.0 kg/m²</td></tr><tr><td>Consumption as adhesive:</td><td>ca. 4.0 – 5.0 kg/m²</td></tr></table>	Aggregate size:	0.6 mm : 1 mm	Dry bulk density:	ca. 1350 kg/m ³	Thermal conductivity λ :	ca. 0.8 W/mK	Water vapour diffusion resistance μ value:	ca. 18	S _d -value:	0.05 m (at 3 mm thickness)	Water requirement:	ca. 6 l/ 25 kg sack	Minimum basecoat thickness:	Refer to table below	Consumption as basecoat:	ca. 5.0 – 6.0 kg/m ²	Consumption as adhesive:	ca. 4.0 – 5.0 kg/m ²
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Health and safety:	Please refer to the Material Safety Data Sheet, produced in accordance with Article 31 and Annex II of Regulation No 1907/2006 of the European Parliament and Council from 18.12.2006, available at www.baumit.com or alternatively request the MSDS from the manufacturer.																		
Storage:	Store in dry conditions and protected on pallets for up to 12 months.																		
Quality Assurance:	In house monitoring through our own laboratories. Third party inspection is carried out through a certified body.																		
Packaging:	25 kg bag. 1 pallet = 42 bags = 1050 kg																		
Substrate:	Substrates must be sound, clean, dry, free from frost, dust efflorescence and not hydrophobic. Existing mineral and organic based coatings and paints must be sound and well bonded to the substrate (pull off test and/or cross cut test). The background condition and flatness must be inspected according to the guidance set out in the Baumit EWI Installation Guidelines.																		

Application:

Mixing:

Sprinkle the dry powder in to a tub of clean water and mix with an electric hand mixer to a lump free, creamy consistency. Alternatively use a continuous horizontal mixer with a constant water feed. Leave to stand for 5 minutes and remix with the hand mixer. Working time: ca. 1.5 hours. Material which has started setting must not be remixed with water. Mixing with other products (e.g. anti-frost agents or accelerating agents) is not permitted.

1. External Wall Insulation System:

Adhesive application:

A 50mm wide continuous strip of Baunit openContact is applied around the perimeter face of the insulation board and 3 equally spaced hand-sized adhesive dabs through the centre line. The adhesive layer must be 10 -20 mm thick and provide a bonding contact of at least 40%. Deviations in the background flatness of up to +/- 10 mm can be accommodated in the adhesive layer.

Mechanical fixings:

Refer to the Baunit EWI Installation Guidelines and Product Data Sheets for the insulation boards.

Basecoat and reinforcement:

After sufficient hardening of the adhesive layer the insulation boards can be sanded down and the dust removed. Baunit openContact is applied to the boards with a stainless steel notched trowel (10 mm notches).

Continuous sheets of openTex reinforcing mesh are placed onto the Baunit openContact, free of creases and with 100 mm overlapping edges. A further 1-2mm of Baunit openContact is applied wet on wet over the embedded Baunit openTex reinforcing mesh. The Baunit openTex reinforcing mesh must be covered with at least 1 mm (0.5 – 3 mm max. at the overlapping edges) of Baunit openContact. Excessive trowelling is to be avoided. Trowel lines are to be removed after hardening. The overall basecoat thickness must be from 3 – 6 mm.

Nominal thickness in mm	Minimal thickness in mm	Mean value ¹⁾ in mm	Position of the reinforcing mesh
3	2	≥ 2.5	Middle of layer

¹⁾ Typical mean values from random sample testing (min. 5 single values) of hardened mortar.

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.

Façade insulations 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 the application of the contact mortar.

After application leave to dry for 3 days minimum¹⁾ before applying further coatings. It is important that the coating appears uniformly dry with no damp areas (dark patches).

1) Based on an ambient temperature of +20 ° C and relative humidity ≤ 70%. Unfavourable weather conditions may prolong the setting time

Baunit topcoats:

Baunit openPrimer with Baunit NanoporTop
Baunit openPrimer with Baunit openTop

Our recommendations for applications which we give to support the purchasers/handlers from our experience, corresponds to current science and practice. The advice is non-binding, and forms no contractual, legal relationship and no additional obligations in the purchase contract. The advice does not release the purchaser from examining our products for their suitability for their foreseen uses. The general rules of construction equipment must be adhered to. We reserve the right to make changes which serve to provide technical progress and improve the product or its use. When such technical information appears, earlier information is no longer valid. You can find the most current information on our Internet pages. Only our current sales and supply conditions as well as provisions for the placement and use of our silos and mixing facilities apply for all business cases.