Baumit StarContact

- **High bonding strength**
- **Water-resistance**
- **Good workability**

Product: Mineral-based, dry adhesive contact mortar and basecoat render for Baumit EWI systems.

Composition: Cement, organic binders, sands and additives

Properties: High bonding strength, water resistance and good workability

Intended use: Multi-purpose contact mortar: As an adhesive for bonding Baumit façade and perimeter insulation boards. As a thin layer basecoat mortar (with reinforcing mesh) onto Baumit insulation boards and selected render Carrier boards. Also suitable for preparing surfaces of coarse render basecoats to receive fine grained (< 2 mm) Baumit decorative topcoats and as a thin bonding coat (keyed) over concrete surfaces to receive further coatings.

Technical data:

Aggregate size:	0.6 mm : 1 mm
Dry bulk density:	ca. 1400 kg/m³
Thermal conductivity λ90/90:	ca. 0.8 W/mK
Water vapour diffusion resistance μ-value:	ca. 50
sd-value:	0.15 m (at 3 mm thickness)
Water requirement:	ca. 6 l/25 kg bag
Minimum basecoat thickness:	refer to table below
Consumption as an adhesive:	ca. 4.0 – 5.0 kg/m²
Consumption as a basecoat:	ca. 5-0 – 6.0 kg/m²

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.

Delivery: 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). Substrates for Baumit EWI systems must be inspected and prepared according to the guidance set out in the Baumit EWI Installation guidelines.

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.

Application: Mixing:
Sprinkle the dry powder in to clean water in a tub 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 to set must not be remixed with water. Mixing with other products (e.g. anti-freeze or accelerating agents) is not permitted.

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Adhesive application for bonding Baumit insulation boards:

A 50mm wide strip of StarContact 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.

After sufficient hardening of the adhesive layer the insulation boards can be sanded down and the dust removed.

Mechanical fixings:

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

Basecoat with reinforcement for Baumit insulation boards and selected render carrier boards:

Baumit StarContact 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, free of creases and with 100 mm overlapping edges. A further 1-2mm of StarContact 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. Excessive trowelling is to be avoided. Trowel lines are to be removed after hardening. The overall basecoat thickness must be from 3 – 6 mm depending on the board type.

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 standards, please observe the current guidelines for installing External Wall Insulation Systems

Preparation of concrete and render surfaces and remediation:

Apply StarContact as described above with or without reinforcing mesh according to requirements.

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 3-5 days[1)] 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.

Baumit topcoats:

Refer to the relevant Baumit Product Data Sheet for information.

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