Baumit StarContact Speed

Fast Setting Mineral Adhesive & Basecoat for Baumit EWI Systems

- **Cold Working Mineral Adhesive & Basecoat**
- **Fast Setting**
- **High Adhesion & Flexibility**

Product Overview

Fast Setting, mineral-based, dry adhesive and basecoat render for Baumit external wall insulation systems for application in cold and humid conditions (+1 - +10 . Also suitable as a basecoat onto masonry. Part of Baumit EWI Systems, excluding the plinth area.

Use: Dual purpose contact mortar, use as an adhesive for bonding Baumit facade insluation boards and a basecoat (with reinforcing mesh) onto Baumit insulation boards.

Composition

Cement, organic binders, sands and additives.

Properties

- Vapour permeable adhesive and reinforcement mortar for internal and external areas
- High bonding strength
- Water resistant and good workability
- Quick Setting
- Application with +1 - +10 temperatures

Application

Mixing:
Empty bag contents into clean water in a tub and mix with an electric hand mixer to a lump-free, creamy consistency. Alternatively, an appropriate render spraying machine can be used. For more information contact the Baumit technical team.
Leave to stand for 5 minutes and remix with the hand mixer.
Working time: approx. 45 - 60 mins <10 .
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.
Adhesive application for bonding Baumit insulation boards:
A 50mm wide strip of StarContact Speed is applied around the perimeter face of the insulation board and 3 equally spaced hand-sized adhesive dabs through the centre line. Alternatively, using a 10mm notched trowell apply StarContact Speed accross the entire back side of the insulation board. The adhesive layer must be 5mm thick and provide a bonding contact of at least 40%. Deviations in the background flatness of up to +/- 5mm can be accommodated in the adhesive layer. After sufficient hardening of the adhesive layer if the insulation boards are made of a styrene based material they must be rasped and brushed down to remove any loose particles.
Mechanical fixing's:
Variation of fixings are available dependant on substrate. For further guidance please contact the technical team.
Basecoat and reinforcement:
Apply 3mm of Baumit StarContact Speed to the boards with a stainless steel notched trowel (10mm notches). Continuous sheets of StarTex reinforcing mesh should be lightly smoothed over with a stainless steel trowell until little to no mesh is visable, before applying the second pass "wet on wet", free of creases and with 100mm overlapping edges. A further 2mm of StarContact Speed is applied "wet on wet "over the embedded StarTex reinforcing mesh. The StarTex reinforcing mesh must be covered with at least 1mm of StarContact White. Excessive trowelling is to be avoided. Trowel lines are to be removed after hardening. The overall basecoat thickness must be from 3 – 5mm depending on the board type.
When applying to a masonry substrate, we reccomend an application thickness of 10mm (2 passes of 5mm). PVC rendering beads without mesh should be used, instead of mesh beads. Greater thicknesses can be built out in mutiple layers.
Nominal layer thickness (mm):5
Minimum layer thickness (mm): 3
Maximum layer thickness (mm): 10 (has to be installed in two passes of 5mm)
Position of reinforcing mesh: Middle
In addition to the standards, please observe the current guidelines for installing External Wall Insulation Systems.

Technical Data

Reaction to fire:	A2 s1 d0
Compression strength:	3.5 N/mm² - 7.5 N/mm²
Adhesive tensile strength:	≥ 0.08 N/mm²
µ-value:	≤ 25
Thermal conductivity:	≤ 0.820 W/mK

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	Baumit StarContact Speed
yield	app. 7 m²/bag at a thickness of 3mm
yield	app. 4.2 m²/bag at a thickness of 5mm
Grain	0 mm - 1.2 mm
Min. application thickness	3 mm
Max. application thickness	5 mm
Consumption	app. 4 kg/m² - 5 kg/m² as a adhesive
Consumption	app. 5 kg/m² - 6 kg/m² as a basecoat
Water requirement	6.5 l/bag - 7.5 l/bag

Delivery Format

25 kg bag, 1 pallet = 42 bags = 1050 kg

Storage

Can be stored on pallets well wrapped and protected for up to 12 months.

Quality Assurance

Internal quality assurance is provided by the manufacturer's plant.

Classification according to the Chemicals Act

Gather the detailed classification from the Safety Data Sheet (according article 31 and annex II of the regulation No. 1907/2006 of the European Parliament and –Council from 18.12.2006) at www.baumit.com or request the Safety Data Sheet at the respective production plant.

Substrate

The substrate must be clean, dry, frost-proof, dust-free, not water repellent, free of efflorescence and free of loose part.

Substrate pre-treatment

Basecoat renders should be fully cured.
Peeling paint, lime wash, grease stains (from shuttering), other contaminants and film forming layers must be removed. Any cracks are to be scraped open with a pointed tool to form a "V" groove.
High absorbtion substrates must be pretreated with Baumit MultiPrimer.
Low suction substrates must be pretreated with Baumit SuperPrimer.
Friable basecoats are to be pretreated with a stabiliser such as Baumit SanovaPrimer.
Algae and mould growth must be removed with Baumit FungoFluid.

Processing

for use in Baumit EWI systems above the DPC (damp proof course). Cannot be used below DPC or part of the Baumit PlinthSystem. Also for render only onto masonry substrates.

Notes and General Information

The air, material and background temperature must be above +1°C to +10 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).
2) High humidity and low temperature weather conditions may prolong the setting time.
Baumit topcoats: Refer to the relevant Baumit Product Data Sheet for information.

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