

Baumit StarContact

Mineral Adhesive & Basecoat



Benefits

- **Strong Adhesion**
- **Vapour Permeable**
- **Part of Baumit EWI Systems**

Product Overview

Grey, mineral-based, dry adhesive and basecoat render for Baumit external wall insulation systems. Also suitable as a basecoat onto masonry. Part of Baumit EWI Systems.

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 external areas
- High bonding strength
- Water resistant and good workability
- Grey cement

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. 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.
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. Alternatively, using a 10mm notched trowell apply StarContact accross whole the entire back side of the insulation board. The adhesive layer must be 5 - 20 mm thick and provide a bonding contact of at least 40%. Deviations in the background flatness of up to +/- 20mm 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 fixings:
Variation of fixings are available dependant on substrate. For further guidance please contact the technical team.
Basecoat and reinforcement:
Apply 4mm of Baumit StarContact 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 is applied “wet on wet “over the embedded StarTex reinforcing mesh. TheStarTex reinforcing mesh must be covered with at least 1mm of StarContact. Excessive trowelling is to be avoided. Trowel lines are to be removed after hardening. The overall basecoat thickness must be from 3 – 6mm depending on the board type.
When applying to a masonry substrate, we reccomend an application thickness of 10mm. 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): 6
Minimum layer thickness (mm): 3
Maximum layer thickness (mm): 10
Position of reinforcing mesh: Top Third
In addition to the standards, please observe the current guidelines for installing External Wall Insulation Systems.
Preparation of Masonry, render surfaces and remediation:
Apply StarContact as described above with or without reinforcing mesh according to requirements, when being used as a key coat.

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Technical Data

Product	
Reaction to fire:	A2 s1 d0
Compression strength:	3.5 N/mm² - 7.5 N/mm²
Colour:	Grey
Adhesive tensile strength:	≥ 0.08 N/mm²
sd-value:	app. 0.7 m for a layer thickness of 3mm
Dry bulk density:	app. 1400 kg/m³
µ-value:	≤ 25
Thermal conductivity:	app. 0.820 W/mK
W-value:	2

Variant(s)	Baumit StarContact 25kg
Yield	app. 5 m²/bag as a adhesive onto EWI at a thickness of 5mm
Yield	app. 3 m²/bag as a basecoat onto EWI & Render Carrier Board at a thickness of 7mm
Yield	app. 2 m²/bag as a basecoat onto Masonry at a thickness of 10mm
Grain	1.2 mm
Consumption	app. 1.2 kg/m²/mm
Water requirement	app. 6 - 8 l/25kg per bag depending on application

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

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.

Substrate pre-treatment

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.

Processing

If applying a cementitious product such as MonoPlus onto a StarContact basecoat, ensure the MonoPlus is applied "fresh in fresh", within 2-3 hours of the StarContact application (dependent on weather conditions), ensuring the StarContact coat has not hardened.

Notes and General 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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