

Technical Data Sheet
Special SB Adhesive
[Spezialkleber SB]



Sulphate-resistant thin-set mortar for adhering interior insulating boards on substrates containing gypsum

Areas of application:

For adhering

- **Clima Redboard pro** and **Clima Redboard basic**
- **Pura Mineral Insulating Board [Pura Mineraldämmplatte]**
- **Secco Universal Renovation Board (USP) [Secco Universal Sanierplatte (USP)]**
- other mineral construction materials

Special SB Adhesive [Spezialkleber SB] can be used on plasters containing gypsum. The substrate must be load-bearing and dry. Materials containing gypsum are not resistant to damp masonry or penetrating moisture. The layer of plaster must be at least 10 mm thick. Areas with a thin layer of plaster generally will not be stable enough to support the interior insulating system long-term.

Features/benefits:

- High-quality bonding mortar
- Hydraulic hardening
- Quick and easy to use
- Highly consistent performance
- For interior walls, ceilings, and floors
- Free of mineral fibres
- Remains workable for two hours
- High protection against slippage and very good bond strength
- For substrates containing gypsum in dry areas
- Water-resistant, weather-resistant, and heat-resistant

Technical data:

- **Material:** Low chromate content, contains Portland cement clinkers
- **Working temperature:** Do not work at temperatures below 5 °C
- **Coverage:** approx. 5–6 m² / 25 kg sack
- **Dry unit weight:** 1,410 kg/m³
- **Bond strength:** > 200 kPa
- **Fire behaviour:** Class A1 in accordance with DIN EN 13501-1
- **Water vapour resistance factor μ :** 13

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Substrates:

The substrate must be load-bearing and free of materials that could negatively impact the adhesion of the **Special SB Adhesive [Spezialkleber SB]** (e.g. release agents, loose objects, dust, grit, paint, areas covered with thin layers of plaster). Load-bearing old plaster must be checked to ensure it is solid and will allow for good adhesion to the substrate. Old plastered areas must be cleaned, and mould growth must be properly removed using suitable products from the redstone Mould Remedy (Vivo) product line ["Schimmelsanierung (Vivo)"]. Old plaster or plaster that is in disrepair must be carefully removed. The substrate must be dry.

Instructions for use:

Pour about 7.5 l of water into a clean container. Add 25 kg of **Special SB Adhesive [Spezialkleber SB]** and mix thoroughly with a suitable mixing device until a smooth consistency conducive to working is achieved (mixing time of at least 3 min.).

Other partial amounts can be added using a ratio of approximately 0.3 l water per kg of **Special SB Adhesive [Spezialkleber SB]**. Once it has been mixed, the **Special SB Adhesive [Spezialkleber SB]** is ready to use. Only mix as much adhesive as you think you will use within about two hours. Depending on the composition of the substrate (e.g. extremely porous), the surface can be pretreated with redstone **Primer [Grundierung]**. Following any necessary preparatory work with redstone **Render [Ausgleichsputz]**, apply the mixed **Special SB Adhesive [Spezialkleber SB]** to the substrate as a contact layer using a suitable notched trowel (≥ 10 mm) running horizontally and only applying enough for one board at a time. The entire surface of the insulating board can then be adhered to the surface by gently pressing it onto the fresh contact layer (notched trowel spreading process).

Notes:

Special SB Adhesive [Spezialkleber SB] that has already set cannot be reworked with water or fresh **Special SB Adhesive [Spezialkleber SB]**. The times given apply for the standard temperature range of approximately +20 °C at 65% relative humidity. Lower temperatures will take more time, while higher temperatures will shorten the working and adhesion time. **Special SB Adhesive [Spezialkleber SB]** must be protected against premature dehydration, e.g. due to draughts of air or thermal stress.

Cleaning:

Clean working equipment immediately after use with water.

Disposal:

Product waste must be disposed of in accordance with applicable regulations. Empty packages must be recycled.

Storage:

Protected against moisture on dry pallets, in closed bundles for about 12 months.

Dimensions / Form of Delivery / Art. No.:

25 kg sack / 42 sacks per pallet / SKB20KG

Other:

The requirements of the EC Safety Data Sheet must be adhered to.

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