



## Moisture-controlling thin-bed mortar for adhering calcium silicate boards on mineral substrates

### Areas of application:

- For adhering
- **Clima Redboard pro und Clima Redboard basic**
  - **Clima Paramur**
  - **Redo Universal Sanierplatte (USP) [Redo Universal Sanierplatte (USP)]**
  - other mineral construction materials

**System Adhesive [Systemkleber]** can be used on all mineral wall materials and substrates suitable for plaster, such as masonry made of construction materials with hydraulically hardening bonding agents in accordance with DIN 1164 and DIN 413-1, as well as masonry containing construction materials that are natural, standardised, or approved by materials regulators, such as aerated concrete, building brick, sand-lime brick, concrete in accordance with DIN 1045, and load-bearing old plaster that does not contain gypsum.

### Features:

- High-quality, hydraulic hardening bonding mortar
- Quick and easy to use (remains workable for approx. two hours)
- For interior walls and ceilings
- Free of mineral fibres
- High protection against slippage and very good bond strength
- For mineral substrates and coatings in dry and moisture-resistant areas
- Water-resistant, weather-resistant and heat-resistant

### Technical data:

- **Material:** Low chromate content, contains Portland cement clinkers
- **Working temperature:**  $\geq 5\text{ }^{\circ}\text{C}$
- **Coverage:** approx. 5–6 m<sup>2</sup> / 25 kg sack
- **Dry unit weight:** 1410 kg/m<sup>3</sup>
- **Bond strength:** > 200 kPa
- **Fire behaviour:** Class A1 in accordance with DIN EN 13501-1
- **Water vapour resistance factor  $\mu$ :** 13

### Substrates:

The substrate must be load-bearing and free of materials that could negatively impact the adhesion of the **System Adhesive [Systemkleber]** (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 **Vivo product line** (Mould Remedy). Old and destroyed plasters, paints, and non-load-bearing coatings must be carefully removed. The substrate can be damp, but not wet.

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# Technical Data Sheet

## System Adhesive [Systemkleber]



### Instructions for use:

Pour about 7.5 l of water into a clean container. Add 25 kg of **System Adhesive [Systemkleber]** 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 approx. 0.3 l water per kg of **System Adhesive [Systemkleber]**. **System Adhesive [Systemkleber]** is ready to work after mixing. Only mix as much adhesive as you think you will use within about 2 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 a mineral patching plaster apply the mixed **System Adhesive [Systemkleber]** to the substrate as a contact layer using a suitable notched trowel (notches  $\geq$  10 mm) running horizontally and only applying enough for one board at a time. The entire surface of the insulation board can then be adhered to the surface by gently pressing it onto the fresh contact layer (notched trowel spreading process).

**System Adhesive [Systemkleber]** that has already set cannot be reworked with water or fresh **System Adhesive [Systemkleber]**. 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. **System Adhesive [Systemkleber]** must be protected against premature dehydration, e.g. due to draughts of air or thermal stress.

### Notes on machine processing:

Plastering machine to be used: PFT G4 without secondary mixer, spiral casing PFT D4-3 twister stator without tension clamp. Please use a maximum hose length of up to 20 m.

### Processing of the **System Adhesive [Systemkleber]**:

- Prepare hoses with lime mixture/paste for the plastering process, then start up the machine using approx. 450 litres of water.
- Then reduce the amount of water to approx. 300-350 litres, adjusted to the room temperature and surface texture.
- Connect the water hose to the connection near the screw.

After this, the material can then be combed onto the surface. Please only apply as much **System Adhesive [Systemkleber]** as needed to be covered with boards within approx. 15 minutes.

### Cleaning the tools:

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 / Storage stability:

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

### Dimensions / Form of Delivery / Item No. / EAN No.:

25 kg sack / 42 sacks per pallet / SK25KG / 4260122563982

### Other:

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

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