

akurit ST

Stucco profile

rigid polystyrene foam stucco profiles

- with highly enhanced, extremely weather-resistant special coating



Applications

- for façade and interior design

Properties

- very low weight
- weatherproof
- dimensionally stable
- easy to adjust and cut to size

Composition

- EPS 035 polystyrene core with coating made of epoxy resin and silica sand

Substrate

Suitable substrates

- mineral-bound substrates
- Masonry
- Concrete
- External thermal insulation composite systems

Condition / Testing

- The substrate must be dry, level, clean, firm and free of adhesion-reducing residues, efflorescence and sintered coatings.

Pretreatment

- The substrate is pre-treated according to the processing specifications for the adhesive mortar used.

Processing

Temperature

- Do not process or allow to dry out at air, material or substrate temperatures below +5°C, or if there is a risk of exposure to night frost, or at temperatures above +30°C, or in direct sunlight, or on heated up surfaces, and/or in windy conditions.

Mixing / Preparing / Processing

- The profiles can be cut with a carbide-tipped saw. All adhesive surfaces must be carefully cleaned to remove dust, dirt and release agents before the bonding process.

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Applying / Processing / Assembling

- For the bonding process, use a water-repellent lightweight adhesive mortar of category W_c2, e.g. AKURIT SK light adhesive and reinforcement mortar.
- In case of plaster facades with reinforced base plaster or external thermal insulation composite systems, the facade profiles are bonded on the reinforcement layer. Without reinforcement, bonding is done directly onto the base plaster. The decor plaster is plastered on flush with the facade profiles.
- Apply adhesive with a notched spatula vertically all over onto the back of the decor profile and horizontally onto the substrate and comb. The layer thickness is approx. 4 mm to 10 mm, depending on the profile size and substrate.
- Float the decor profiles with careful, slightly sliding movements and then press firmly onto the substrate so that the adhesive escapes continuously on the long side above and below the profile. Remove excess adhesive, forming the horizontal joints into a groove in the process, but not the butt joints.
- The bonding on the substrate must be carried out over the whole area.
- When applying adhesive on the substrate, a butt joint between the profiles of approx. 4 mm to 10 mm remains, depending on the profile size.

Subsequent coating / workability

- Fill out butt joints on small profiles up to max. 4 cm projection completely with a high quality permanently elastic PU sealant and smooth off.
- For all profiles with a bigger projection, fill out with non-pressing PU foam. Trim hardened, protruding foam and scrape out at right angles (depth according to the joint width). Also scrape out and clean the joint flanks at the same time. The remaining joint is sealed with high quality, permanently elastic, paintable PU joint sealant. A three-sided adhesion is to be avoided.
- The smooth texture of the sprayed out joint can be levelled with fine silica sand up to the surface of the profile.
- This is given a coloured coat using AKURIT facade paints with an undercoat and finish coat, once the profiles have completely dried.

Tool cleaning

- Clean all tools and equipment with water immediately after use.

Notes

- Building expansion joints, longitudinal boundary joints and field boundary joints as well as other construction joints must be designed in consultation with the specialist planner and according to the latest technology.
- Plan longitudinal boundary joints at least every 10 m.
- Horizontal areas in the case of window sill and fascia profiles are to be covered with suitable materials (e.g. metal plate, level with mesh, artificial stone). When cladding with metal, care must be taken to create an uncoupled, tension-free connection to the profile, i.e. not screwed down or glued over the whole area, instead permanently elastic z. B. using PU adhesive.
- Connections between the rising frame profile and window sill, profile joints in the corners of building openings and all other connection joints are to be made permanently elastic using high quality PU sealant. Do not use acrylic or silicone!
- Not suitable for use in the base joint area.

Storage

- Delivery packages are not warehouse packages. When storing for more than 2 days in the packaging, the profiles must be unpacked and stored dry, dust-free, cool and lying flat across the entire length.

General notes

This information sheet provides only general recommendations. Should you have any queries relating to a specific application, please contact our technical sales advisor or call our hotline: +49 541 601-601. All of the details given are based on our current knowledge and experience and on the assumption that the materials are professionally applied and used for their normal purpose. All of the details are non-binding and do not release users from their duty to undertake their own tests to ensure suitability for the intended application. Due to the effects of different weather, processing and construction site conditions, no guarantee can be given for the general validity of all details. We reserve the right to make changes as a result of further development of the product and applications engineering. The general rules for construction engineering, the valid standards and guidelines, and the technical working guidelines must be observed. The publication of this technical data sheet renders all previous editions of this data sheet void. Please obtain the latest information from our website.