Technical Data Sheet

Properties:

AKEMI® Acrylic Sealant snow-white is a plasto-elastic, one-component dispersion sealant for joints on the basis of polyacrylate with good adhesive qualities. It is primarily used for sealing joints indoors and outdoors (without permanent humidity). The product is characterized by the following qualities:

- good working and smoothing properties
- hardens by means of physical drying which is dependent on the temperature and the weather
- fast rain resistant
- neutral odour
- free of solvents and silicone
- also adheres to damp (but not wet) surfaces
- resistant to weather and ageing, good UV-resistant properties
- forms a skin within 5 - 10 minutes
- stretching capacity max. 20%
- paintable when the hardening process is complete; because of the large variety of, painting systems, check the compatibility beforehand
- storable for approx. 24 months in a cool (frost-free) and dry place

Application Area:

AKEMI® Acrylic Sealant snow-white is used for joints and connecting joints which are not exposed to particularly large movements, e.g. door/window joints which border on plaster, masonry, concrete, gas concrete, plasterboard. Also for connections with roller shutter housings, paneled wood ceilings, staircases, light-weight building board walls, in sanitary areas between tiled walls and the ceiling and between skirting tiles and the wall. Cracks in plaster can also be repaired.

Instructions for Use:

1. Contact surfaces must be firm and free of dust, fat and rust. They do not necessarily have to be dry; they can be damp but not wet.
2. Use AKEMI® back-filling cords in order to avoid adhesion on three flanks or in the event of deeper joints.
3. Use AKEMI® special adhesive masking tape to cover up the areas near the edges of the joints.
4. Adheres to many surfaces - also to absorbent surfaces - without primer. If the surface is very absorbent, we recommend a prime coat with diluted acrylic resin (diluted with water, ratio 1:1 to 1:5). The prime coat should be dry before the joints are sealed.
5. The acrylic sealant contains water and is therefore sensitive to frost until it has almost hardened. Do not use below +5°C.
6. Apply the acrylic sealant and smooth it within 5 - 10 minutes using either water or AKEMI® smoothing agent.
7. Before the sealant begins to form a skin, remove the masking tape by pulling it in the direction of the joint.
8. Hardening is dependent on the thickness of the layer, the temperature and, above all, the air humidity (physical drying). At normal temperatures (20°C/50% relative atmospheric humidity) the surface of the acrylic sealant is firm after approx. 2 hours; the hardening process is complete after approx. 1-2 weeks.
9. After finishing your work, clean tools immediately with water.

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Special Notes:

- Use AKEMI® Liquid Glove to protect your hands.
- Undersurfaces coated with tar or bitumen cause a discolouration of the sealant. The same applies for elastomers such as EPDM, EPT and neoprene.
- Take the danger of rusting into consideration in the case of untreated steel.
- Remove surplus smoothing agent in order to avoid staining.
- In accordance with DIN 52452, the acrylic sealant shows a good compatibility with paint. According to the relevant norms, elastic sealant should not be coated entirely because the sealant tolerates movement and stress but the in flexible paint coat does not and therefore cracks.
- Do not use on marble or natural stone.
- Not suitable for joints which are in permanent contact with humidity (e.g. concrete surfaces being in contact with the ground).
- Hardened sealant can only be removed mechanically. Sealant which has not hardened can be removed with water.
- A loss in adhesion may appear on surfaces coated with tar or bitumen.

Technical Data:

System:	acrylic resin dispersion (poly-acrylate basis)
Consistency:	paste-like, stable
Density:	approx. 1.5 g/cm³
Shore A hardness DIN 53505:	approx. 16+/-6
Effective toleration of movement:	approx. 20%
Working temperature:	+5°C to +35°C
Temperature resistance:	-25°C to +80°C
Time to form a skin:	approx. 5 – 10 minutes
Hardening:	approx. 1 mm per 24 hrs
Volume shrinkage:	approx. 16%

Storage:

24 months approx. if stored in cool place free from frost in its tightly closed original container.

Health & Safety:

Read Material Safety Data Sheet before handling or using this product.

Important Notice:

The above information is based on the latest stage of development and application technology. Due to a multiplicity of different influencing factors, this information – as well as other oral or written technical advises – must be considered as non-binding hints. The user is obliged in each particular case to conduct performance tests, including but not limited to trails of the product, in an inconspicuous area or fabrication of a sample piece.

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