## **Technical Instruction Sheet**

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Characteristics:	AKEMI's acrylic sealant is a plastoelastic, one-component dispersion sealant for joints on the basis of polyacrylate with good adhesive qualities. It is primarily used for sealing joints indoors but it can also be used outdoors (at temperatures above +5° C). Its special qualities are as follows:
	<ul> <li>good working and smoothing properties</li> <li>hardens by means of physical drying which is dependent on the temperature and the weather</li> <li>neutral odour</li> </ul>
	<ul> <li>free of solvents and silicone</li> <li>also adheres to damp (but not wet) surfaces</li> <li>resistant to weather and ageing, good UV-resistant properties</li> <li>forms a skin within 15 - 20 minutes</li> <li>stretching capacity max, 15%</li> </ul>
	<ul> <li>paintable when the hardening process is complete; because of the large variety of, painting systems, check the compatibility beforehand</li> <li>storable for approx. 12 months in a cool (frost-free) and dry place</li> </ul>
Field of Application:	AKEMI's acrylic sealant 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, panelled 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:	<ol> <li>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.</li> <li>Use AKEMI back-filling cords in order to avoid adhesion on three flanks or in the event of deeper joints.</li> <li>Use AKEMI special adhesive masking tape to cover up the areas near the edges of the joints.</li> <li>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 1:2 to 1:3). The prime coat should be dry before the joints are sealed.</li> <li>The acrylic sealant contains water and is therefore sensitive to frost until it has almost hardened. Do not use under +5° C.</li> <li>Apply the acrylic sealant and smooth it within 15 minutes using either water or AKEMI smoothing agent.</li> <li>Before the sealant begins to form a skin, remove the masking tape by pulling it in the direction of the joint.</li> <li>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.</li> <li>After finishing your work, clean tools immediately with water.</li> </ol>

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Special Hints	<ul> <li>Use AKEM liquid glove in order to protect your hands.</li> <li>Undersurfaces coated with tar or bitumen cause a discolouration of the seal- ant. The same applies for elastomers such as EPDM, EPT and neoprene.</li> <li>Take the danger of rusting into consideration in the case of untreated steel.</li> <li>Remove surplus smoothing agent in order to avoid staining.</li> <li>Protect from rain or other sources of water until the surface is sufficiently firm.</li> <li>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.</li> <li>Hardened sealant can only be removed mechanically. Sealant which has not hardened can be removed with water.</li> <li>Acrylic sealant can be stored up to 2 days at -10° C but it should be warmed up again slowly.</li> </ul>			
Safety Measures:	see EC Safety Data Sheet			
Technical Data:	system: consistency: density: Shore A hardness DIN tensile stress at break elongation due to tear effective toleration of the working temperature: temperature resistance time to form a skin: hardening: volume shrinkage:	N 53505: DIN 53504: ing DIN 53504: movement: e:	acrylic resin dispersion (polyacrylate basis) paste-like, stable approx. 1.6 g/cm <sup>3</sup> approx. 12 – 15 approx. 0.75 N/mm <sup>2</sup> approx. 240% approx. 15% +5° C to +40° C -25° C to +80° C approx. 15 - 20 minutes approx. 1 mm per 24 hours approx. 17%	
	Shelf life:1 year approx. if stored cool place free from frost in its tightly closed original container.			
Notice:	The above information is based on the latest stage of technical progress. It is to be considered as a non-binding hint and does not release the user from a per- formance test, since application, processing and environmental influences are beyond our realm of control.			