

Specification Sheet

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Properties:

AKEMI® Multi-Purpose Sealing Compound is a one-component adhesive and sealing compound on the basis of polyurethane which cross-links in contact with atmospheric humidity. This product is characterized by the following properties:

- permanently elastic
- resistant to moisture, weather and ageing
- inhibits vibrations
- grindable
- can be coated with paint
- non-corrosive
- very good adhesion to many different kinds of surfaces
- excellent temperature stability
- resistant to sea water

Application areas:

AKEMI® Multi-Purpose Sealing Compound is a universal adhesive and sealing compound which is used in the following sectors: body making, vehicle construction, caravan and camping, container construction and repair, the building of ships, yachts and boats, pipe construction and the making of fittings, cooling, air-conditioning, insulating, lighting, sanitary engineering, tank and apparatus construction as well as many branches in the plastics sector. This product adheres very well to metals (iron, steel, aluminium), primed or painted metals, wood, plastics (polyester, unplasticized PVC), natural and cast stone, ceramics, tiles, clinker, brickwork, concrete and the like.

Instructions for use:

1. The surface must be free of rust, dirt, grease and dust and has to be dry. It is recommendable to slightly abrade surfaces if they are smooth. Surfaces on glass which are to be glued must be protected from UV light by means of a primer.
2. Remove the lid on the bottom of the cartridge and the desiccating agent. Pierce the aluminium membrane and then screw on the nozzle. Cut off the end of the nozzle in accordance with the thickness of the line of sealant you require.
3. Insert the cartridge into the pistol and apply the sealant. Smooth it with a spatula, if necessary.
4. The hardening time is dependent upon the thickness of the layer, the temperature and the atmospheric humidity.
5. The parts which are to be glued must be joined together within 10 minutes.
6. Tools or parts which have come into contact with the sealant by mistake can be cleaned with AKEMI® Nitro Dilution or Universal Dilution. Do not forget to check the resistance to solvents first.

Special remarks:

- Use AKEMI® "Liquid Glove" in order to protect your hands. Take care to avoid direct contact.
- This product cannot be used on polyethylene, polypropylene, silicone, Teflon and various other plastics which contain plasticizer.
- The hardened sealant can no longer be removed with solvents. This can only be achieved mechanically by means of high temperatures (> 200° C)
- The hardened sealant presents no risk to your health.

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Technical specifications:	colour:	white or black
	density:	approx. 1.25 g/cm ³
	working temperature:	+5 -+35° C
	skin formation test:	approx. 45 minutes (DIN 50014)
	hardening speed:	approx. 3 mm/1 st day (DIN 50014)
	volume shrinkage:	approx. 5.5 %
	Shore A hardness:	45 ± 5 (DIN 53505)
	elongation due to tearing:	approx. 450 % (DIN 53504)
	tensile strength:	approx. 1.8 N/mm ² (DIN 53504)
	resistance to further tearing:	9 ± 1 N/mm ² (ASTM D 624 Form B)
	temperature stability:	-40 to +80° C; 120° C in the short-term
		chemical stability
	long-term resistance:	water, salt water, lime water, watery cleaning agents, weak acids and lyes.
	temporary resistance:	automotive fuels, mineral oils, vegetable and animal fat and oil
	short-term or no resistance:	organic solvents (alcohol, diluents, bitumen, asphalt)
	shelf life:	can be stored for approx. 9 months in the closed original container if kept cool.

Safety notices: Please refer to the EC safety data sheet.

Notice: The above information is based on the latest stage of our 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 trials of the product, in an inconspicuous area or fabrication of a sample piece.

