

Technical Data Sheet

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Properties:

AKEMI® Quick Sealfix is a transparent 1-component adhesive which hardens by humidity based on MS-Polymer for making elastic constructive joints, which require high strength.

The product is characterized by the following qualities:

- solvent-, isocyanate- and PVC free
- high green strength
- rapid strength build-up
- very good ageing resistance
- very good anti-corrosion properties
- paintable (also wet on wet) with most paint- or lacquer systems
- weather-resistant
- a good adhesion on several substrates without the use of a primer
- neutral and odourless curing
- minimal volume shrinkage
- low electric conductivity
- safe to be spot welded through before cured
- for the powder or thermo varnishing

Application Area:

- Bonding of steel, metal, aluminium, wood, laminate, cork, plastic, concrete, stone, plaster, ceramics etc. in the construction and industrial sector
- Elastic bonding and sealing e.g. in bus, caravan, train and truck construction
- Elastic bonding as well as seam sealing and joint sealing in the sector body-making, wagon building, modular building construction and vehicle superstructures
- Elastic bonding in metal, apparatus, mechanical, electrical and plastics engineering, ventilation and air-conditioning technology etc.
- For all bonding tasks which require fast strength development as well as a high mechanical strength. Also in the case of silicone sealants, if there is the danger of silicone contamination and painting must take place afterwards

Instructions for Use:

AKEMI® Quick Sealfix can be applied with normal manual or compressed air guns within the temperature range +5°C to +40°C.

1. To ensure good adhesion it is essential that the surfaces to be bonded are stable, clean, dry and free of oil and grease.
2. AKEMI® Quick Sealfix must be smoothed within 8 minutes (at 20°C/50% relative atmospheric humidity).
3. When used as an adhesive, parts to be bonded must be joined together within 8 minutes (at 20°C/50% relative atmospheric humidity) after the application of AKEMI® Quick Sealfix.
4. "Wet-in-wet" overpainting must take place within max. 4 hours.
5. If overpainting should take place later, it must be cleaned with AKEMI® Cleaner A first.

Special Notes:

- For professional use only.
- Adhesion Promoter: On many clean fat-free surfaces good adhesion can be obtained without using an adhesion promoter. However, if the hardened product is to be exposed to a lot of moisture or temperature stress or in the event of problematic binding surfaces, we recommend pretreatment with AKEMI® MS Prep for non-porous surfaces.

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- Tools can be cleaned and non-hardened remnants can be removed with a clean, dry cloth. Use AKEMI® Acryclean if the soiled area is larger.
- For proper waste disposal, the container must be completely emptied.
- Recycling in accordance with the guidelines of EU Decision 97/129 EC on the Packaging Directive 94/62/EC.

Technical Data:

Colours:	black, white
Base:	modified MS polymer (MSP)
Hardening method:	by atmospheric humidity
Density:	1.40 +/- 0.05 g/cm ³ (23°C/50% rel.humidity)
Working time:	max. 8 minutes
Hardening:	approx. 3.5 mm/24h (23°C/50% rel.humidity) approx. 4.5 mm/48h (23°C/50% rel.humidity)
Shore A hardness:	approx. 50 (DIN 53505)
Volume change:	7% (DIN EN ISO 10563)
Tensile strength:	3.0 N/mm ² (DIN 53504 S2)
Tensile strength:	30.5 kg/cm ²
Elongation at break:	350% (DIN 53504 S2)
Module at 100% elongation:	approx. 1.2 N/mm ² (DIN 53504 S2)
Temperature resistance:	-40°C to +90°C; short-term 200°C
Working temperature:	+5°C to 40°C
Chemical resistance:	
- good against:	water, aliphatic solvents, oils, fats, diluted inorganic acids and alkalis
- moderately against:	ester, ketone and aromatic solvents
- not resistant against:	concentrated acids and chlorinated hydrocarbons
- weather resistance:	very good

Storage:

If stored in cool condition (10-25°C/50-77°F) in its closed original container at least 12 months from production

Health & Safety:

Read 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 trials of the product, in an inconspicuous area or fabrication of a sample piece.

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