

Technical Instruction Sheet

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- Characteristics:** **afin** Quick Sealfix is a moisture-curing, one component sealant and adhesive on the basis of an MS polymer and is used to produce elastic structural joints. The product is characterized by the following properties
- Free from solvents, silicone and isocyanates.
 - Good initial bonding strength.
 - Fast strength development.
 - Very good ageing resistance.
 - Resistant to weathering.
 - Adhesion to a variety of surfaces without an adhesion promoter.
 - Neutral and odourless when hardened.
 - Can be overpainted "wet-in-wet" with commonly available paints.
 - Spot welding possible before drying.
 - After hardening it can be coated with powder paint.
 - Low volume shrinkage.
 - Low electrical conductivity.

- Areas of Application:**
- 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.
Train and truck construction.
 - Elastic bonding as well as seam sealing and joint sealing in the sectors 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:** **afin** 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. **afin** Quick Sealfix must be smoothed within 10 minutes (at 20°C/50% relative atmospheric humidity).
 3. When used as an adhesive, the parts to be bonded must be joined together within ten minutes (at 20°C/50% relative atmospheric humidity) after the application of **afin** Quick Sealfix.
 4. "Wet-in-wet" overpainting must take place within 4 hours (max.).
 5. If overpainting is to take place later, it must be cleaned with **afin** /AKEMI Cleaner A first.

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 bonding surfaces, we recommend pretreatment with the adhesion promoter

MS Prep for non-porous and adhesion promoter **MS Pro** for porous surfaces.

Tools can be cleaned and non-hardened remnants of **afin** Quick Sealfix can be removed with a clean dry cloth. Use **afin** Acryclean if the soiled area is larger.

Technical Data:	Basis:	modified MS polymer (MSP)
	Hardening method:	atmospheric humidity
	Density:	approx. 1.40 +/- 0.05 g/cm³ (23°C / 50% rel. humidity)
	Working time:	max. 8 minutes

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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:	approx. 3.0 N/mm ² (DIN 53504 S2)
Elongation at break:	approx. 350% (DIN 53504 S2)
Module at 100% elongation:	≥ ca. 1.2 N/mm ² (DIN 53504 S2)
Temperature resistance:	- 40°C to +90°C
Temperature resistance:	+ 200°C (short term)
Working temperature:	+5°C to 40°C
Workpiece temperature:	+5°C to 40°C
Colours:	grey, black, white
Packaging:	290 ml cartridges, 400 and 600 ml foil bags other packaging on request
Order numbers:	87502 (grey) 87503 (black) 87501 (white)

Chemical resistancy

- good resistance against water, aliphatic solvents, oils, fats, diluted inorganic acids and alkalis
- moderately resistant against ester, ketone and aromatic solvents
- not resistant against concentrated acids and chlorinated hydrocarbons
- extremely weather resistant

Shelf life: **afin** Quick Sealfix can be stored in a dry place in the original sealed container at a temperature between +5°C and +30°C for more than 15 months from the date of production.

Safety Measures: No special safety measures are necessary.
See 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.

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