

Technical Instruction Sheet

Page 1 of 2

- 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/cm ³ (23°C / 50% rel. humidity)
	Working time:	max. 8 minutes

Technical Instruction Sheet

Page 2 of 2

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

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