



# Al-Fix Flexible

- transparent fast adhesive
- flexible
- high temperature resistance
- shock, sliding and impact resistant
- high viscosity
- good moisture resistance
- very high tensile strength



## GENERAL INFORMATION

AL-FIX FLEXIBLE is resistant against solvents, oil, benzene, high and low temperature fluctuations.

AL-FIX FLEXIBLE is ideal for applications that come into regular contact with moisture.

AL-FIX FLEXIBLE is a transparent cyan acrylate that has extremely good adhesive strength on most materials.

AL-FIX FLEXIBLE is slightly elastic after curing.

## TECHNICAL INFORMATION

Colour	: matt, transparant
Viscosity at 25°C	: 2500-3500 mPa.s
Density	: 1,06 g/m
Flashpoint	: 85°C
Tensile strength on NBR	: # 62 N/cm <sup>2</sup>
# = material breakage	
Shear strength on steel	: 28 N/mm <sup>2</sup>
Temperature range	: -55°C to +140 °C
Soluble in	: acetone, nitromethane, ethylacetate
Shelf life	: 12 months in original closed packaging. Store in a cool dry place
Safety measures	: please consult the MSDS (material safety data sheet)

## PACKAGING

Al-Fix Flexible	Article number 501403000
Abbreviation	: AFF

## APPLICATIONS

- For fast adhesion of natural and artificial rubbers, plastics, metals, etc.
- To glue rubbers and plastics that are faced with higher temperature fluctuations and moisture.
- Ideal for metal and rubber joints.
- AI-Fix Flexible makes strong adhesion possible between very diverse materials with the exception of polyethylene, polypropylene, silicone and fluorine, and items containing plastics.

Materials that can be glued with AI-Fix Flexible: ABS, aluminium, bakelite, bronze, buthyl, celluloid, chloroprene, chromium, delrin, glass, copper, natural rubber, NBR, Neoprene, nitril, nylon, phenol, polycarbonate, PUR, MUR, Viton, Teflon, polystyrene, porcelain, hard PVC, stainless steel, steel.

For porous materials: use AI-Fix Activator.

## INSTRUCTIONS FOR USE

- First shake before use.
- Before applying AI-Fix Flexible, the surfaces being glued must first be thoroughly degreased and allowed to dry well.
- Then apply the product and create the joint.
- Hold this joint for some time so that solid gluing is achieved. Some appropriate times are described below.

### Drying time in seconds:

Metal (steel)	50
Sythetic material, plastic (ABS)	08
Rubber (EPDM)	10
Wood (beech)	40

### **AI-Fix Aktivator**

The hardening time for AI-Fix Flexible can be significantly shortened depending on the porosity of the material by using AI-Fix Aktivator.

After applying AI-Fix Aktivator, first allow the solvent to evaporate.

Then apply the AI-Fix Flexible and joint the parts immediately.

AI-Fix Flexible can also be applied to porous materials such as wood and stone by using AI-Fix Aktivator. The use of AI-Fix Aktivator. The use of AI-Fix Aktivator can lead to increased crimp of the adhesive seam as well as possible lower flexibility.

Please take account of this.