

AltroBond EP 013-1

2-C-high performance adhesive

altropol

Main features

- all-purpose adhesive
- good contact adhesion and toughness
- low shrinkage
- curing time is adjustable by temperature
- long lifetime
- temperature resistant up to 70 °C

Applications

- high-quality composite fiber components
- tools for RTM / RIM
- pattern making
- car construction
- electrical and switchgear engineering

Properties in the non-crosslinked state (approx. values)

		AltroBond EP 013-1 Comp. A	AltroBond EP 013-1 Comp. B
Colour		whitish	yellowish
Mixing ratio	Vol. %	100	100
Density (20 °C)	g/cm ³	1.18	1.18
Viscosity (25 °C)	mPa·s	50.000 – 70.000	22.000 – 40.000

Properties of the mixture (approx. values)

Colour			yellowish
Mixed viscosity (25 °C)	mPa·s		35.000 – 55.000
Density (20 °C)	g/cm ³	DIN 53479	1,15
Pot life (25 °C)	minutes		5 – 6
Subsequent processing time	hours		2
Curing time (25 °C)	hours		16 – 24

Mechanical values of the cured product (approx. values)

Tensile strenght	N/mm ²	DIN 53283	>20
Dimensional stability under heat	°C		-40 up to +70
Flexural strength (23 °C) (16 h / 70 °C)	MPa	ISO 178	54
E-Modulus in flexure (23 °C) (16 h / 70 °C)	MPa	ISO 178	3,400
Hardness	Shore D	DIN 53505	73

How to process the material

An optimal use of the AltroBond EP 013-1 requires in most cases a pretreatment of the surface of the substrate. Best results are obtained by degreasing and mechanical roughening.

Apply the product in wavy lines by means of a manual or pneumatic hand gun. After this, spread and flatten the adhesive by means of a spatula.

For processing, protect hands with gloves of rubber, latex or plastic. Protect eyes with tightly closing safety goggles. Use protective clothing and safety shoes. Make sure that the air exchange in the work rooms is sufficient. Curing takes place at room temperature.

