

Main features

- all-purpose adhesive
- excellent bonding properties
- low shrinkage
- curing time is adjustable by temperature
- long lifetime

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 012 Comp. A	AltroBond EP 012 Comp. B
Colour		colourless	yellowish
Mixing ratio	p.b.w.	100	80
Mixing ratio	Vol. %	100	100
Density (20 °C)	g/cm ³	1.15	0.9
Viscosity (25 °C)	mPa·s	25,000 – 45,000	25,000 – 45,000

Properties of the mixture (approx. values)

Colour			yellowish
Mixed viscosity (25 °C)	mPa·s		40,000 – 45,000
Density (20 °C)	g/cm ³	DIN 53479	1,05
Pot life (25 °C)	minutes		90
Subsequent processing time	hours		4 – 6
Curing time (25 °C)	hours		16 – 24

Mechanical values of the cured product (approx. values)

Tensile shear strength	N/mm ²	DIN 53283	18 – 26
Dimensional stability under heat	°C		-40 to +100

How to process the material

An optimal use of the AltroBond EP 012 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.

Industrial hygiene

When processing 2-component synthetic resin systems and fillers, it is absolutely essential to observe the protective measures as to the industrial hygiene. Pay particular attention that the product does not come into contact with eyes or skin and avoid breathing in vapours and dust. Please take further information from the safety data sheet.

AltroBond EP 012

2-C-high performance adhesive

altropol

Form of delivery

AltroBond EP 012	6x 50 ml cartridges (carton)
AltroBond EP 012	6x 200 ml cartridges (carton)

Accessories

hand gun 1:1 manually	50 ml
hand gun 1:1 / 1:2 manually	200 ml
static mixer 620	50 ml
static mixer 718	200 ml

Storage

We recommend keeping the material in tightly closed original receptacles at temperatures of 20 - 25 °C. When duly stored, the material can be used within the shelf life indicated on the labels (the first 2 digits of the batch number indicate the week, the 3rd digit indicates the year).

Measure of precaution

With the aid of the current safety data sheets, which contain physical, ecological, toxicological and other data relating to safety, the user can inform himself on the safe handling and storage of the products.

Our technical service - in words, in writing or by trials - is given according to the current state of our knowledge. It does however not relieve the customer / user from the duty to check by himself if the products supplied by us are suitable for the intended processes and purposes. Application, use and processing of the products take place beyond our control possibilities and lie therefore exclusively in the area of responsibility of the processor. Any existing property rights of third parties are to be considered. We guarantee the perfect quality of our products in accordance with our general terms and conditions of business. When handling our products you have to observe the legal rules and the rules for the industrial hygiene. As for the rest, we refer to the corresponding safety data sheets.

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