

Main features

- fast curing
- available in rigid (shore D 78) or flexible (shore D 65)
- high strength and durable adhesion
- resistant to solvents, acids and alkalis
- weather and aging resistant
- oil, fuel and water resistant

Applications

- pattern making
- construction of prototypes
- automotive industry
- construction of bodies and vehicles
- junction of prototypes

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

		AltroBond PU 005 Comp. A / B (flexible)	AltroBond PU 005 Comp. A / B (hard)
Colour		black	black
Mixing ratio	Vol. %	100 : 100	100 : 100
Density (20 °C)	g/cm ³	1.2	1.2
Viscosity (25 °C)	mPa·s	pasty	pasty

Properties of the mixture (approx. values)

Mixed viscosity (25 °C)	mPa·s	black paste	black paste
Pot life (20 °C)	minutes	5 – 10	5 - 10
Setting time	minutes	30	30
Curing time (20°C)	minutes	90 – 120	90 - 120

Mechanical values of the cured product (approx. values)

Tensile shear strength	N/mm ²	15	15
Dimensional stability under heat	°C	-40 to +120	-40 to +120
Elongation at tear	%	51	24
Shore hardness	D	65	78
Shear strength	N/mm	25	26

How to process the material

An optimal use of AltroBond PU 005 requires in most cases pretreatment of the substrate. Best results are obtained by degreasing and mechanical roughening.

Easy and clean handling due to practical double cartridge, automatic mixing and metering via the mixer tube. Just after squeezing out curing takes place by chemical reaction.

Big quantities > quick curing!

Small quantities < slow curing!

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 PU 005

2-C-polyurethane adhesive

altropol

Form of delivery

AltroBond PU 005
6x 50 ml cartridges (carton)
25 kg hobbock

Accessories

hand gun 1:1 manually 50 ml
static mixer 620 50 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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