

AltroGreen PU RF 4500

Preliminary Data Sheet
Density 450 kg/m³

altropol

Main features

- integral foam
- processible by hand and machine
- usable in unheated moulds
- low density
- approx. 70%* based on renewable resources

Applications

- component parts for industrial applications
- backfillings

Properties in the non-crosslinked state at 20 °C (approx. values)

		AltroGreen PU RF 4500 Comp. A	AltroGreen PU RF 4500 Comp. B
Colour		transparent	brown
Mixing ratio	p.b.w.	100	100
Mixing ratio	p.b.v.	100	102
Density	g/cm ³	1.05	1.24
Viscosity	mPa·s	800	200

Properties of the mixture at 20 °C (approx. values)

Mixed viscosity (25 °C)		mPa·s	500
Start time		seconds	70
Setting/ thread tension time		minutes	not determined
Rise time		minutes	0.5
Tack-free		minutes	2.5
Density (free-rise foamed)		kg/m ³	450
Expansion behaviour		fold	2.2

* = related to Comp. A

How to process the material

Stir up AltroGreen PU RF 4500 Comp. A intensively prior to processing.

In case of manual processing, pour at first component A into the mixing vessel. After having added component B, mix the compound thoroughly and proceed to casting immediately.

The most suitable device for mixing is a high-speed stirrer with approx. 1000 rpm.

Material and processing temperature should be at least 20 °C.

The products are highly sensitive to humidity.

Close receptacles tightly after every use.

Heat up moulds for rigid integral parts to 45 - 50 °C prior to injection.

For free-rise foamed applications, preheating is not necessary.

Form of delivery

AltroGreen PU RF 4500 Comp. A	1 kg	25 kg	200 kg
AltroGreen PU RF 4500 Comp. B	1 kg	25 kg	200 kg

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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