

PRODUCT DATA SHEET



Product name

E:500

Edition 2
03.2011

Product description

Developed for

Open cell spray foam

Polyol

Mixture of polyether polyols, flame retardants (contains halogen), activators (contains amine) and stabilizer

Isocyanate

Product based on Diphenylmethanediisocyanate (MDI)

Typical properties

Formulation

		Polyol	Isocyanate
Density 25°C	g/cm ³	ca. 1,12	ca. 1,23
Viscosity 25°C	mPas	ca. 210	ca. 200
Polyol	E:500	100	Parts by volume
Isocyanate	ISO:500	100	Parts by volume

Cup test

Material temperature	20 °C
Cup weight	
Polyol	30 g
Isocyanate	30 g
Parameter	
Cream time	4-6 sec
Gel time	7-9 sec
Rise time	11-13 sec
Free rise density (core)	7-10 kg/m ³

Physical properties

Density range sprayed (over all)	ca. 8-20 Kg/m ³
Expansion rate	ca. 60-120 times the liquid volume
Open cell content	>90 %

Using information

Safety

Please pay attention to the safety data sheet.
It contains handling information.

It is advisable to avoid direct skin contact with freshly produced polyurethane, because of the fact that in case of not covered polyurethane the surface may obtain traces of starting and successive products which are e.g. dangerous to health or have irritating, cauterizing and/or sensitizing properties.

Preparation

If stored properly and within the time of shelf life homogenization is not required.

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Best spray results are obtained at 45-60 °C material temperature

Storage, packaging and supplying

Storage

The packaging has to be closed very well. This product is very sensitive to moisture.

The storage temperature is recommended by 25°C. Polyol should not be stored below 15°C and the isocyanate not below 20°C.

The storage life is guaranteed for 2 months.

Packaging and
Supplying

All products can be delivered in bulk, IBC and drums.

Changing to the last edition

Changing
First edition

Additional information on cup test and physical properties
02.2011

The product information are made to the best of our believe, they are however not obligatory. This concerns also to trade mark rights of third parties. The above mentioned product information have to be proved additionally by an individual test of our products regarding the application for the intended processing of our purpose. The processing of our products and the products manufactured by the customer according to our technical support are out of our controlling possibilities and therefore subject to the responsibility of the customer.