

Daltotherm TSA 30-00-CPR-15  
EN 14315-1:2013  
Sprayed PU foam  
Thermal insulation for buildings

### Product description

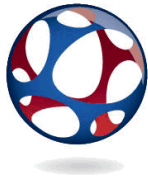
<b>Developed for</b>	The thermal insulation of various buildings with conventional spray machinery. Fully formulated polyol blend for spray application of closed cell rigid polyurethane foam
<b>Polyol</b>	Mixture of polyether and polyester polyols, flame retardants, activators (contains amine), stabilizer, physical blowing agent HFC 245fa and water
<b>Isocyanate</b>	Product based on Diphenylmethanediisocyanate (MDI)

### Typical properties

		Polyol	Isocyanate
<b>Liquid properties</b>	Density 25°C	ca. 1,13 g/cm <sup>3</sup>	ca. 1,23 g/cm <sup>3</sup>
	Viscosity 25°C	ca. 300 mPas	ca. 200 mPas
<b>Formulation</b>	Polyol	Daltotherm <sup>®</sup> TSA 30-00	100 Parts by volume
	Isocyanate	ISO 10-002-00	100 Parts by volume
<b>Quality control Cup test</b>	Material temperature		20 °C
	Cup weight		
	Polyol		50 g
	Isocyanate		55 g
	Parameter		
	Cream time		ca. 5 sec
Gel time		ca. 10 sec	
Free rise core density		ca. 31 kg/m <sup>3</sup>	
<b>Physical properties (typical)</b>	Core density	EN ISO 845	36 Kg/m <sup>3</sup>
	Closed cell content	ISO 4590	92 %
	Compressive strength	EN ISO 844	170 kPa
	Reaction to fire	EN 13501-01	E class
		DIN 4102-1	B2 class
	GOST 30244	G3 class	
<b>Thermal conductivity</b>	see DoP at <a href="http://www.purSystems.de/cemarking">www.purSystems.de/cemarking</a>		

----- **Certified Management System** -----

DIN EN ISO 9001 Quality • DIN EN ISO 14001 Environment • BS OHSAS 18001 Occupational Safety and Health



## Usage instruction

### Processing

To be used with a two-component high pressure-dosing machine, mix ratio 1:1 by volume

Machine and hoses should be heated at 40-60 °C. Pressure at pump min. 65 bar.

Pressure difference between A and B component not more than 15 bar

### Surface treatment

All substances that have a negative influence on foam quality or the adhesion like oil, grease or water have to be removed. Surfaces that provide low adhesion to the foam have to be treated with an adhesion promoter. The clean and dry surface should have a temperature of not less than 10°C. Lower temperatures or wet substrate surfaces may cause irregular cell size, poor dimensional stability and adhesion

### Application of foam

Apply multiple individual layers of not more than 30mm to get the desired thickness. Between the consecutive layers allow for sufficient curing.

### Safety

Wear appropriate protective clothing preferably with a self-contained breathing apparatus

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.

## Storage, packaging and supplying

### Storage

The packaging has to be closed very well. This product is very sensible to moisture. The storage temperature is recommended at 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 road tanker, IBC and drums.

## Changing to the last edition

### Changing First edition

CE marking, physical properties  
04.2013

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.

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