Product name **Daltotherm® TSW 08-00** **Edition 2 02.2015**

Daltotherm TSW 08-00-CPR-14
EN 14315-1:2013
Sprayed PU foam
Thermal insulation for buildings

Product description

Developed for	the weatherization and air tightening of residential buildings with a conventional spray machinery. Fully formulated polyol blend for spray application of very low density open cell rigid polyurethane foam
Polyol	Mixture of polyether polyols, flame retardants, activators (contains amine), stabilizer and water
Isocyanate	Product based on Diphenylmethanediisocyanate (MDI)

Typical properties

Liquid properties

		Polyol	**Isocyanate**
Density 20°C	g/cm³	ca. 1,09	ca. 1,23
Viscosity 20°C	mPas	ca. 290	ca. 200

Formulation

Polyol	Daltotherm® TSW 08-00	100	Parts by volume
Isocyanate	ISO 10-002-00	100	Parts by volume

Quality control Cup test

Material temperature		20	°C
Cup weight			
Polyol		50	g
Isocyanate		55	g
Parameter			
Cream time	ca.	4	sec
Gel time	ca.	8	sec
Free rise density	ca.	8	kg/m³

Physical properties (typical)

Core density	EN ISO 845	8	Kg/m³
Closed cell content	ISO 4590	2,5	%
Water vapour transmission	EN ISO 1663	168	g/24h m²
Reaction to fire	EN 13501-01	F	class
	DIN 4102-1	B3	class
	GOST 30244	G3	class

Thermal conductivity

see DoP at www.pursystems.de/cemarking

PUR-Systems GmbH
Werner von Siemens Str. 22
49124 Georgsmarienhütte

PUR-Systems GmbH
Postfach 1522
49113 Georgsmarienhütte

Tel 05401 83 55 - 0
Fax 05401 83 55 83

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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 to get the desired thickness
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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