



Daltotherm TSW 40-00-CPR-14
 EN 14315-1:2013
 Sprayed PU foam
 Thermal insulation for buildings

Product description

Developed for	The thermal insulation of walls and attics with conventional spray machinery. Fully formulated polyol blend for spray application of closed cell rigid polyurethane foam
Polyol	Mixture of polyether polyols, flame retardants, activators (contains amine), stabilizer, physical blowing agent HFC 365/227 and water
Isocyanate	Product based on Diphenylmethanediisocyanate (MDI)

Typical properties

Liquid properties	Density 25°C	g/cm ³	Polyol	ca. 1,12	Isocyanate	ca. 1,23	
	Viscosity 25°C	mPas		ca. 600		ca. 200	
Formulation	Polyol	Daltotherm [®] TSW 40-00		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.		5 sec
Gel time				ca.		10 sec	
Free rise core density				ca.		37 kg/m ³	
Physical properties (typical)	Core density		EN ISO 845	46		Kg/m ³	
	Closed cell content		ISO 4590	94		%	
	Compressive strength		EN ISO 844	220		kPa	
	Reaction to fire		EN 13501-01			E class	
			DIN 4102-1			B2 class	
		GOST 30244			G3 class		
Thermal conductivity	see DoP at www.pursystems.de/cemarking						

----- 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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