



Daltotherm TSW 39-00-CPR-15
EN14315-1:2013
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 and polyester polyols, flame retardants, activators (contains amine), stabilizer, physical blowing agents HFC 365/245/227 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. 500		ca. 200

Formulation

Polyol	Daltotherm [®] TSW 39-00	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. 9 sec
Free rise core density	ca. 34 kg/m ³

**Physical
properties
(typical)**

Core density	EN ISO 845	38	Kg/m ³
Closed cell content	ISO 4590	96	%
Reaction to fire	EN 13501-01	E	class
	DIN 4102-1	B2	class

**Thermal
conductivity**

see DoP at www.pursystems.de/cemarking



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.