



Pur'fect RWF  
 EN 14315-1:2013  
 Sprayed PU foam  
 Thermal insulation for buildings

## Product description

<b>Developed for</b>	The thermal insulation of agricultural 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

<b>Liquid properties</b>	Density 25°C	g/cm <sup>3</sup>	<b>Polyol</b>	<b>Isocyanate</b>	
	Viscosity 25°C	mPas	ca. 1,13	ca. 1,23	
<b>Formulation</b>	Polyol	Pur'fect RWF	100 parts by weight		
	Isocyanate	Pur'fect 100	100 parts by weight		
<b>Quality control Cup test</b>	Material temperature		20	°C	
	Cup weight				
		Polyol		50	g
		Isocyanate		55	g
	Parameter				
<b>Physical Properties (typical)</b>	Core density		EN ISO 845	38 KG/m <sup>3</sup>	
	Closed cell content		ISO 4590	93 %	
	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.technisol.nl">www.technisol.nl</a>				

## Usage instruction

<b>Processing</b>	<p>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</p>
<b>Surface treatment</b>	<p>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</p>
<b>Application of foam</b>	<p>Apply multiple individual layers of not more than 30mm to get the desired thickness. Between the consecutive layers allow for sufficient curing.</p>
<b>Safety</b>	<p>Wear appropriate protective clothing preferably with a self-contained breathing apparatus. Please pay attention to the safety data sheet, it contains handling information.</p> <p>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.</p>

## Storage, packing and

<b>Storage</b>	<p>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 6 months.</p>
<b>Packaging and Supplying</b>	<p>All products can be delivered in road tanker, IBC and drums</p>

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.