



## **AKFIX SPR 230 2K SPRAY FOAM**

### **1-GENERAL DESCRIPTION AND APPLICATIONS**

It is a polyol blend designed for insulation of ceilings, walls and floors by spraying technology. Akfix SPR 230 react with P-MDI (polymeric MDI) to give a foam at medium applied density meeting class B2 according to DIN4102 standard. The applied foam density is medium but it can vary according to the numbers of layers and their thickness, atmospheric conditions and type of application (vertical or horizontal). To get a good foam adhesion the surface to be dry, not at too low temperature, cleaned from oil and dust etc. This product does not include HCFC and any ozone corrosive polyol. It includes 365 mfc (HFC).

### **2-CHEMICAL- PHYSICAL CHARACTERISTICS**

<b>Parameter</b>	<b>Value</b>	<b>Unit of measure</b>	<b>Method</b>
Appearance*	Viscous liquid		MA 001 LCP
Colour*	Yellow-brown		Visual
Viscosity at 25 °C*	200	mPa·s	MA 041 LCP
Specific gravity at 20°C	1.126	g/mL	MA 181 LI

\* Parameters under control

### **3-MIXING RATIO**

Akfix SPR 230 at 20-25 °C	100 pbv
P-MDI at 20-25 °C	100 pbv



## 4-FOAM PROPERTIES

Parameter					Method
<b>Dimensional stability</b>	Length	Height	Thickness	Density kg/m <sup>3</sup>	UNI 8069
% var. after 48 hrs at -25 °C	-0.31	-0.48	- 0.11	34.8	
% var. after 48 hrs at +70 °C 90% U.R.	-0,85	-0.63	+1.01	35.4	
<b>Compressive strength</b> 10% parallel to rise	210 kPa				UNI 6350- 1968
<b>Closed cells</b> correct value	95 %				
<b>Flame resistance</b>	B2				DIN 4102
<b>Thermal conductivity</b> 10 °C	20.5 mW/mK				ASTM C 518

## Cup test at 20 °C

Parameter	Value	Unit of measure
Cream time	2-3	Sec.
Gel time	6-8	Sec.
Free rise density	28-30	kg/m <sup>3</sup>

## 5-STORAGE

In sealed drums at room temperature for 6 months.

## 6-LEGAL NOTE

The information presented herein is given in good faith but without warranty. It's based on our experience, indicates our laboratory work results and does not necessarily indicate final product performance. We cannot be held liable for the results obtained with our products and for any loss or accident that may result from its use. Our suggestions don't release you from the obligation to check their validity and to test our products for both your process and end use application.

All our products are sold in accordance with our General Conditions of Sale. We don't make any warranty, express or implied, including but not limited to the merchantability and fitness for a particular purpose.