



AKFIX PNL 235

1-GENERAL DESCRIPTION AND APPLICATIONS

AKFIX PNL 235 is a polyol formulation used to produce cold store panels having a rigid polyurethane foam core by the discontinuous process. The use of special additives gives a fine cell structure, good adhesion to the walls and very good insulating properties. The product is conforms the Euro class E according to EN 13501-1 classification standard.

2-CHEMICAL- PHYSICAL CHARACTERISTICS

	<i>Unit of Measurement</i>	<i>Polyol</i>	<i>Isocyanate</i>	<i>Method</i>
Appearance*	visual	visual	visual	-
Colour*	-	yellow	dark brown	-
Viscosity at 25 °C*	mPa·s	350±150	150 - 260	TS 5833-EN ISO 3219
Specific gravity at 25°C	g/mL	1,16±0,01	1,24±0,01	TS EN ISO 2811-1

* Parameters under control

3-TEST VALUES

	Unit of Measurement	Value
Mixing Ratio	g.	100 : 120
Cream time	sec.	30-35
Gel Time	sec.	150-170
Tack Free Time	sec.	230-250
Free Rise Density	kg/m ³	35-37

Note: Measured under laboratory hand mix conditions.

- Polyurethane components are moisture sensitive. Therefore they must be stored at all times in sealed, closed containers.
- Polyol blend must be mixed accordingly before use.



TECHNICAL DATA SHEET

Akfix® coating

Yeşilbayır Mah. Şimşir Sk. No: 22 Hadımköy - İstanbul/TÜRKİYE Tel: 0212 771 13 71 Fax: 0212 771 38 88

www.akfixcoating.com - info@akfixcoating.com

	Unit of Measurement	Value
Polyol Temperature	°C	20-22
Isocyanate Temperature	°C	20-22
Mold Temperature	°C	35-45

4-STORAGE

	Unit	Polyol Blend	Isocyanate
Storage Temperature	°C	15-25	15-25
Shelf Life	Months	6	6

*Stored in original sealed drums in a dry place at recommended temperatures.

5- PACKAGING

Polyol blend: 220 Kg

Polymeric MDI: 250 Kg

6-SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

7-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.

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