

WHITECHEM SPR 435

1-GENERAL DESCRIPTION

WHITECHEM SPR 435 is open celled rigid polyurethane foam system developed for erosion break/damming applications. **WHITECHEM SPR 435** reacts with Whitechem P-MDI /RPS (isocyanate) with 1:1 ratio by volume. This system is applied with special spray machine with high pressure. The system is CFC-free and its ozone depletion potential (ODP) is zero.



2-CHEMICAL- PHYSICAL CHARACTERISTICS

	Unit	(Polyol Blend) Whitechem SPR 435	(Isocyanate) Whitechem P-MDI/RPS	Test Method
Color		Light brown	Dark brown	
Appearance		Viscous liquid	Viscous liquid	
Viscosity (25 °C)	mPa.s	400±100	220-250	ASTM D 4878
Specific Gravity (20°C)	g/ml	1,08±0,03	1,23	ASTM D 891

3-MIXING RATIO

	Weight Ratio	Volumetric ratio
Polyol blend	100	100
Isocyanate	110	100

4-FOAM PROPERTIES

	<i>Unit of Meas.</i>	<i>Value</i>
<i>Cream Time*</i>	sec.	4-5
<i>Gel Time*</i>	sec.	17-18

*Hand-mixed at 20°C

	<i>Unit of Meas.</i>	<i>Value</i>
<i>Free Rise Density</i>	kg/m ³	20-22
<i>Open Cell Content</i>	%	>88
<i>Compressive strength</i>	kPa	115

5-STORAGE

- All components are moisture sensitive. Therefore they must be stored in original sealed, closed containers and in dry place at recommended temperatures.

	<i>Unit</i>	<i>(Polyol Blend)</i> <i>Whitechem SPR 435</i>	<i>(Isocyanate)</i> <i>Whitechem P-MDI/RPS</i>
<i>Storage Temperature</i>	°C	15-25	15-25
<i>Shelf Life</i>	Months	6	12

- Polyol blend must be mixed before use.

6-PACKAGING

Whitechem SPR 435 (Polyol Blend): 220 Kg

Whitechem P-MDI/RPS (Isocyanate): 250 Kg

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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