

# Industrial Coatings

## Technical Data Sheet



We create chemistry

# Joncryl<sup>®</sup> 935 Polyol

<b>Product Description</b>	Joncryl <sup>®</sup> 935 is an acrylic polyol for polyurethane coating applications.
<b>Key Features &amp; Benefits</b>	<ul style="list-style-type: none"><li>- Excellent curability</li><li>- Chemical resistance</li><li>- Fast dry time</li></ul>
<b>Chemical Composition</b>	Acrylic polyol

## Properties

<b>Typical Properties</b>	Appearance	clear liquid
	Non-volatile at 150°C (0.5g, 60 minutes)	~ 70%
	Hydroxyl number of solids	~ 150
	Viscosity at 25.0 ± 0.5°C (Brookfield #4LV, 30 rpm, 60 seconds)	4,000 – 13,000 cP
	Density at 20°C	~ 1.03 g/cm <sup>3</sup> (8.55 lbs/gal)
	Equivalent weight as supplied, of solids	~ 535, 375
	Tg	~ 17°C
	Solvent	Methyl n-amyl ketone

These typical values should not be interpreted as specifications.

## Applications

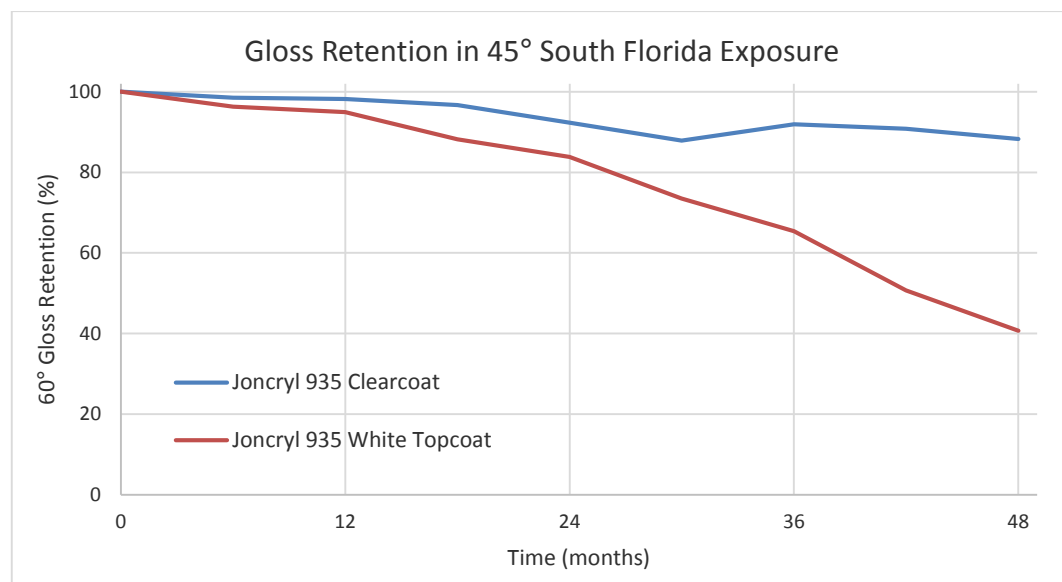
Joncryl<sup>®</sup> 935 is a high performance polyol for polyurethane coatings suitable for automotive refinish and industrial applications. It offers excellent exterior durability with good chemical resistance.

Joncryl<sup>®</sup> 935 is recommended for applications such as:

- Interior/exterior general metal coating applications
- Automotive refinish applications

## South Florida Weathering

The following graph demonstrates the 60° gloss retention of polyurethane coating formulations based on Joncryl® 935 in South Florida weathering (ASTM G7-05). No UV stabilizers were used.



## Starting Point Formulation

The following starting point formulations is recommended for an initial evaluation of Joncryl® 935. Additional optimization of the formulation may be required to achieve desired results for specific applications.

### Joncryl® 935 CLEAR , Formula 1053111-02-15

<b>Part A</b>	<b>Pounds</b>	<b>Gallons</b>
Joncryl® 935	445.80	51.84
MAK	178.77	26.29
Efka® FL 3670	0.74	0.09
25% CAB <sup>1</sup> -551-0.01 in n-BA	<u>33.97</u>	<u>4.62</u>
Subtotal	659.28	82.84
<b>Part B</b>		
Basonat® HI 100	<u>166.96</u>	<u>17.16</u>
<b>Total</b>	<b>826.24</b>	<b>100.00</b>

### Formulation Attributes

Non-volatile	59.09% by wt, 50.30% by volume
Viscosity (A + B)	198 cP
NCO:OH ratio	1.05:1
Mix ratio by volume	4.83:1
Weight per gallon	8.26 lbs
VOC (calculated)	3.38 lbs/gal, 405.04 g/l

<sup>1</sup>Registered trademark of Eastman Chemical Company.

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## Safety

### General

The usual safety precautions when handling chemicals must be observed. These include the measures described in Federal, State, and Local health and safety regulations, thorough ventilation of the workplace, good skin care, and wearing of personal protective equipment.

### Safety Data Sheet

All safety information is provided in the Safety Data Sheet for Joncryl® 935.

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