

# Industrial Coatings

Technical Data Sheet



## Joncryl<sup>®</sup> 948 Polyol

<b>Product Description</b>	Joncryl <sup>®</sup> 948 is an acrylic polyol for industrial polyurethane coating applications.
<b>Key Features &amp; Benefits</b>	<ul style="list-style-type: none"><li>- Good pot life</li><li>- Good application properties</li><li>- Good weathering properties</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)	~ 78%
	Hydroxyl number of solids	~ 70
	Viscosity at 25.0 ± 0.5°C (Brookfield #4LV, 30 rpm, 30 seconds)	10,000 – 17,500 cps
	Density at 20°C	~ 1.04 g/cm <sup>3</sup> (8.68 lbs/gal)
	Equivalent weight as supplied, of solids	~ 1025, 800
	T <sub>g</sub>	~ 9°C
	Solvent	n-Butyl acetate

These typical values should not be interpreted as specifications.

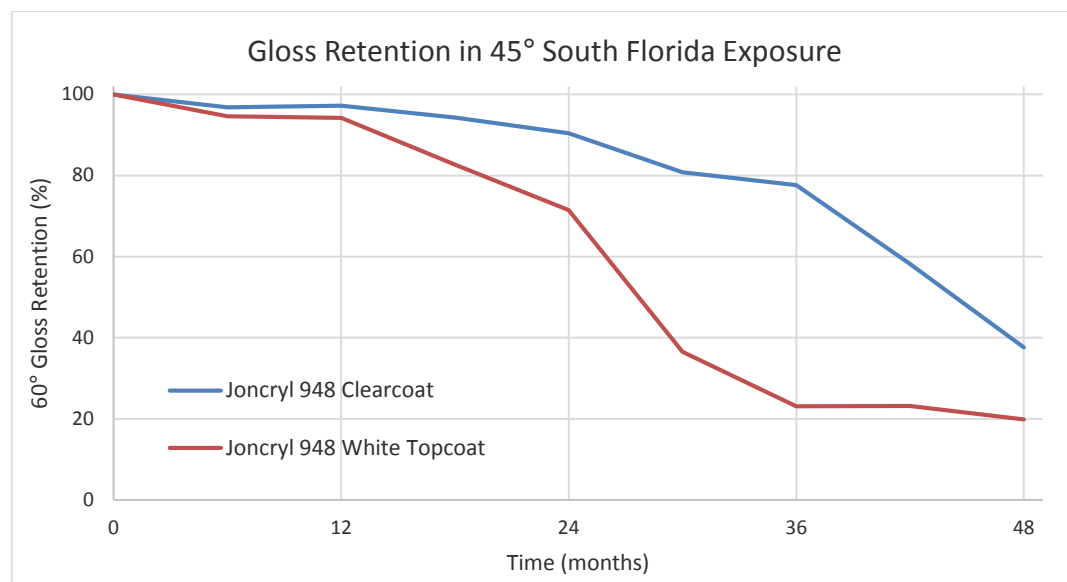
### Applications

Joncryl<sup>®</sup> 948 is an acrylic polyol that is recommended for applications such as:

- Interior/exterior general metal coating applications
- Industrial maintenance coating applications

## South Florida Weathering

The following graph demonstrates the 60° gloss retention of polyurethane coating formulations based on Joncryl® 948 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® 948. Additional optimization of the formulation may be required to achieve desired results for specific applications.

### Joncryl® 948 STARTING FORMULATION, Formula 1053111-02-18

<b>Part A</b>	<b>Pounds</b>	<b>Gallons</b>
Joncryl® 948	511.90	58.84
MAK	178.01	26.18
Efka® FL 3670	0.74	0.09
25% CAB <sup>1</sup> -551-0.01 in MAK	33.81	4.60
Subtotal	724.46	89.71
<b>Part B</b>		
Basonat® HI 100	100.10	10.29
<b>Total</b>	<b>824.56</b>	<b>100.00</b>

### Formulation Attributes

Non-volatile	61.68% by wt, 57.75% by volume
Viscosity (A + B)	196 cP
NCO:OH ratio	1.05:1
Mix ratio by volume	8.72:1
Weight per gallon	8.26 lbs/gal
VOC (calculated)	3.16 lbs/gal, 378.7 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® 948.

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