

# Joncryl® 587-AC

<b>Product Description</b>	Joncryl 587-AC is a conventional solids acrylic polyol for polyurethane coating applications.
<b>Key Features &amp; Benefits</b>	<ul style="list-style-type: none"><li>- <i>Excellent early hardness development and fast dry time</i></li><li>- <i>Excellent gloss and color retention</i></li><li>- <i>Good chemical resistance</i></li><li>- <i>Outstanding exterior durability</i></li></ul>
<b>Chemical Composition</b>	Acrylic polyol

## Properties

<b>Typical Properties</b>	Appearance	clear liquid
	Hydroxyl number	~ 92
	Non-volatile at 150°C (1g, 60 minutes)	~ 50%
	Density	~ 0.95 g/cm <sup>3</sup> (7.96 lbs/gal)
	Viscosity	~ 200 cP
	Hydroxyl equivalent weight as supplied, of solids	~ 1,220, 610
	Tg	~ 57°C
	Solvent	Acetone

\* These typical values should not be interpreted as specifications.

## Application

Joncryl 587-AC, a solvent solution of Joncryl 587, is a hydroxyl-functional acrylic oligomer designed for conventional solids isocyanate- and melamine-crosslinked systems. More information is available on the Joncryl 587 technical data sheet.

Joncryl 587-AC is recommended for applications such as:

- Interior/exterior automotive OEM and refinish coating applications
- Interior/exterior general metal coating applications
- Interior/exterior plastic component coating applications
- Exterior wood coatings for furniture applications

### Starting Point Formulation

The following starting point formulation is recommended for an initial evaluation of Joncryl 587-AC. Additional optimization of the formulation will be required to achieve desired results for specific applications.

#### 420g/L VOC Clearcoat based on Joncryl RPD 950-B and Joncryl 587-AC

	Component	%NV	Eq Wt as supplied (g/eq)	Mass (g)	Volume (mL)	Solids (g)
Part A	Joncryl RPD 950-B	60.9%	837	48.00	47.06	29.23
	Joncryl 587-AC	50%	1220	12.00	12.63	6.00
	Efka® FL 3670	70%		0.05	0.05	0.04
	Efka® SL 3299	98%		0.05	0.05	0.05
	DBTDL (1% in MAK)	1%		0.49	0.60	
	Acetone	0%		10.50	13.26	
	MAK	0%		4.82	5.89	
	n-Pentyl Propionate	0%		3.00	3.43	
Part B	Basonat® HI 190 B/S	90%	212	14.95	13.23	13.45
	MAK	0%		6.15	7.51	

### Formulation Attributes

Total Mass (g)	100.00
Total Volume (mL)	103.71
Density (g/mL)	0.964
Solids (%)	48.77%
DBTDL (% on solids)	0.010
NCO:OH Ratio	1.05:1
Mix ratio by volume	4.0:1
Coating VOC (g/L)	419.1
Material VOC (g/L)	335

## 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 587-AC.

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