

# Joncryl® 508

<b>Product Description</b>	Joncryl® 508 is a low VOC acrylic polyol for industrial coating applications.
<b>Key Features &amp; Benefits</b>	<ul style="list-style-type: none"><li>- <i>t</i>-Butyl acetate version of Joncryl® 500</li><li>- For use in low VOC applications</li><li>- VOC exempt solvent</li></ul>
<b>Chemical Composition</b>	Acrylic polyol

## Properties

<b>Product Specifications</b>	Appearance	clear liquid
	Hydroxyl number	135 – 150
	Non-volatile at 150°C (0.5g, 60 minutes)	73 – 76%
	Viscosity at 25.0 ± 0.5°C (Brookfield #4LV, 30 rpm, 30 seconds)	2,000 – 6,000 cps
	Freeze-thaw stable	Yes
<b>Typical Characteristics</b>	Density (as supplied)	1.03 g/ml, 8.6 lbs/gal
	Density (of solids)	1.10 g/ml, 9.2 lbs/gal
	Equivalent weight as supplied, of solids	534, 400
	Tg (measured)	-7 °C, 19.4°F
	Solvent	t-Butyl acetate

These typical values should not be interpreted as specifications.

## Applications

Joncryl® 508 is an innovative hydroxyl functional acrylic polymer for high solids systems. Coatings formulated with Joncryl® 508 feature a low viscosity with high solids and excellent flow and leveling with acrylic durability. Joncryl® 508 is an alternate solvent version of Joncryl® 500 for low VOC applications.

Joncryl® 508 is recommended for applications such as:

- Interior/exterior automotive refinish applications
- Interior/exterior general metal industrial coating applications

Starting Point Formulation

The following starting point formulation is recommended for an initial evaluation of Joncryl® 508. Additional optimization of the formulation will be required to achieve maximum suitability for specific applications.

Joncryl® 508 GLOSS CLEAR TOPCOAT, Formula 32002-4A

Part A	Pounds	Gallons
Joncryl® 508	468.50	54.48
Efka® FL 3750	0.56	0.07
MAK	171.10	25.16
DBTDL (1% in MAK)	5.00	5.00
Subtotal	645.16	84.71
Part B		
Basonat® HI 100 NG	194.60	19.94
Total	839.76	104.65

Formulation Attributes for Formula 32002-4A

Solids	67.2% by wt.	60.1% by Vol.
Viscosity (Brookfield)	80 to 90 cPs	
NCO:OH ratio	1.05 : 1.0	
Catalyst level, DBTDL on TRS	0.005%	
VOC (calculated)	<100 g/L	<1.0 lbs./gal

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 protective goggles.

Safety Data Sheet

All safety information is provided in the Material Safety Data Sheet for Joncryl® 508.

Storage

Please refer to the “Handling and Storage of polymer dispersions” brochure.

Important

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