

Joncryl® 906-AC

Product Description	Joncryl 906-AC is an acrylic polyol for low VOC urethane coating applications.
Key Features & Benefits	<ul style="list-style-type: none">- <i>Exempt Solvent</i>- <i>Excellent gloss retention</i>- <i>Fast dry time</i>
Chemical Composition	Acrylic polyol

Properties

Typical Properties

Appearance	clear liquid
Non-volatile at 150°C (0.5g, 60 minutes)	~ 75%
Hydroxyl number of solids	~ 93
Viscosity at 25.0 ± 0.5°C (Brookfield #4 LV, 30 rpm, 30 seconds)	3,500 – 9,500 cP
Density at 20°C	~ 1.07 g/cm ³ (8.9 lbs/gal)
Density of solids	~ 1.17 g/cm ³ (9.8 lbs/gal)
Equivalent weight as supplied, of solids	~ 800, 600
Tg	~ 16°C
Solvent	Acetone

* These typical values should not be interpreted as specifications.

Application

Joncryl 906-AC is an exempt solvent version of Joncryl 906 that is recommended for low VOC urethane coatings. Joncryl 906-AC should be considered as a candidate for high performance maintenance and transportation coatings as a replacement for conventional solids urethane finishes.

Joncryl 906-AC is recommended for applications such as:

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

Starting Point Formulation

The following starting point formulations is recommended for an initial evaluation of Joncryl 906-AC. Additional optimization of the formulation may be required to achieve desired results for specific applications.

Joncryl 906-AC Near-Zero VOC Clear, Formula 1053111-02-08

Part A	Pounds	Gallons
Joncryl 906-AC	319.10	38.85
p-Chlorobenzotrifluoride (PCBTF)	614.42	54.86
BYK ¹ -333	1.66	0.19
BYK ¹ -361N	5.06	0.59
1% DBTDL in PCBTF	3.21	0.29
Subtotal	943.45	91.78
Part B		
Basonat® HI 100 NG	79.96	8.22
Total	1,023.41	100.00

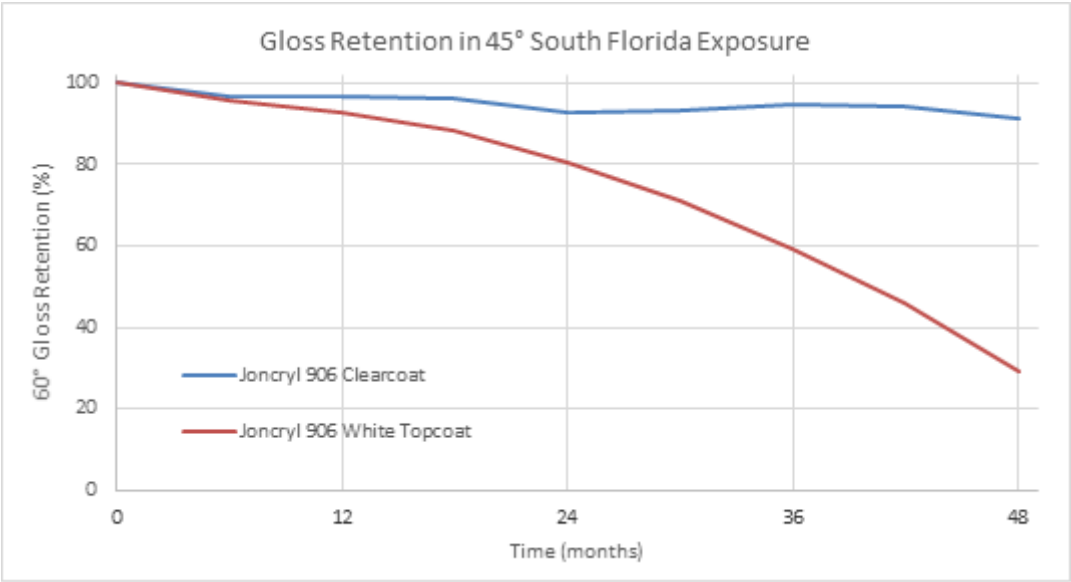
Formulation Attributes

Non-volatile	31.86% by wt, 36.57% by volume
Viscosity (A + B)	198 cps
NCO:OH ratio	1.05:1
Mix ratio by volume	11.2:1
Weight per gallon	10.23lbs/gal
VOC (calculated)	0 lbs/gal

¹Registered trademark of BYK-Chemie GmbH.

South Florida Weathering

The following graph demonstrates the 60° gloss retention of polyurethane coating formulations based on Joncryl 906 in South Florida weathering (ASTM G7-05). No UV stabilizers were used.



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 906-AC.

Important

WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, THEY ARE PROVIDED FOR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, BASF RECOMMENDS THAT THE READER MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR A PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESCRIPTIONS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF BASF'S TERMS AND CONDITIONS OF SALE. FURTHER, THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED BY BASF HEREUNDER ARE GIVEN GRATIS AND BASF ASSUMES NO OBLIGATION OR LIABILITY FOR THE DESCRIPTIONS, DESIGNS, DATA OR INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT THE READER'S RISK.

Joncryl, Efka, and Basonat are registered trademark of BASF Group.

© BASF Corporation, 2023



BASF Corporation is fully committed to the Responsible Care® initiative in the USA, Canada, and Mexico.

For more information on Responsible Care® go to:

U.S.: www.basf.us/responsiblecare_usa

Canada: www.basf.us/responsiblecare_canada

México: www.basf.us/responsiblecare_mexico

BASF Corporation

Dispersions and Resins

11501 Steele Creek Road

Charlotte, North Carolina 28273

Phone: (800) 251 – 0612

Email: CustCare-Charlotte@basf.com

www.basf.us/dpsolutions