

Industrial Coatings

Technical Data Sheet

Joncryl[®] 2534



We create chemistry

Product Description	Joncryl [®] 2534 is a waterborne acrylic emulsion for architectural coatings.
Key Features & Benefits	<ul style="list-style-type: none">- Fast Dry- Excellent Modifier- Excellent adhesion- Pigment grind capable
Chemical Composition	Styrene acrylic emulsion

Properties

Typical Properties	Appearance	milky white
	Solids	46% by wt
	pH	8.0
	Viscosity	500 cps
	Density at 25°C	1.04 g/cm ³ (8.7 lbs/gal)
	MFFT	20°C
	Tg	20°C
	Freeze-thaw stable	Yes
	Grind vehicle	Yes

These typical values should not be interpreted as specifications.

Applications

Joncryl[®] 2534 emulsion is a unique acrylic latex developed for interior and exterior architectural coatings. As a Rheology Controlled emulsion, it provides alkyd-like rheology, gloss, and pigment dispersing capability while maintaining the excellent exterior durability and resistance properties of acrylics. It can also be used as a modifier for acrylic and vinyl acrylic latexes to improve chalk and wet adhesion, freeze-thaw stability, and other properties.

Starting Point Formulation

The following starting point formulation is recommended for an initial evaluation of Joncryl® 2534. Additional optimization of the formulation may be required to achieve desired results for specific applications.

Joncryl® 2534 Architectural High Gloss, Formulation #02-33A

Materials	Pounds	Gallons
Joncryl® 2534	122.02	13.87
Propylene glycol	33.78	3.91
Proxel ¹ DL	0.50	0.06
Ammonia, 28% solution	1.95	0.26
BYK ² 020 ³	1.95	0.27
Ti-Pure ⁴ R-706	244.00	7.33
Grind at high speed for 30 minutes		
Letdown	Pounds	Gallons
Joncryl® 2534	476.76	54.80
BYK ² 024	3.90	0.46
Rheovis® PU 1250 NC	7.75	0.26
Rheovis® PU 1214 NC	5.15	0.58
Water	105.20	12.76
Wax Emulsion	19.52	2.34
Texanol ⁵	19.52	2.47
TOTAL	1,042.00	100.00

Formulation Attributes:		
Non-volatile	51.5% by weight	39.6% by volume
Density	10.42 lbs/gal	
VOC (calculated)	147 g/l	1.22 lbs/gal
Pigment/binder ratio	0.834	
PVC	18.5%	

¹ Registered trademark of Arch Chemicals, Inc.

² Registered trademark of BYK Chemie

³ This product has been discontinued. Please contact your BYK representative for a suitable replacement.

⁴ Trademark of The Chemours Company

⁵ Trademark of Eastman Chemical Company

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 Safety Data Sheet for Joncryl® 2534.

Important

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