Helping Make Products Better™

BASF The Chemical Company

JONCRYL® 1915

Key Features & Benefits

- Block Resistance
- Excellent Adhesion
- Low VOC
- Pigment Dispersing Capability

LOW COST, BLOCK RESISTANT POLYMER FOR HARDBOARD PRIMER COATINGS

General Information

Typical Physical Characteristics

Appearance	Translucent liquid
pH	8.5
Solids, % by Weight	44
Viscosity, cP	800
Glass Transition Temperature, °C (Tg)	43
MFFT, °C	Appr. 0
Density as supplied, lbs/gal	8.5
Freeze Thaw Stable	No

These typical values should not be interpreted as specifications

JONCRYL® 1915 emulsion is a unique polymer that exhibits low minimum film forming temperature, yet offers excellent block resistance. **JONCRYL 1915** emulsion is ideally suited for high PVC primers used over hardboard and composite wood substrates.

FORMULATION GUIDELINES:

- Solvent Levels - Normal primer cure temperatures range from 180°F to 250°F maximum board surface temperature. This is generally enough heat to obtain a good performing film, even at PVC's in excess of 55. The addition of low levels of EB, PnB, or PtB may further enhance film formation. Caution should be taken not to include too much solvent, as this may encourage blistering or blocking of the coating.

PERFORMANCE EVALUATION:

Approximately two wet mils of coating was applied to medium density fiberboard. The panel was baked for 15 minutes at 300°F in an oven. The panel was then immediately placed in an IR oven until a board surface temperature (BST) of 250°F was reached. The panel was allowed to cool to a BST of 150°F before a face-to-face block test was performed. The panel was allowed to cool for a total of 15 minutes before a tape adhesion test was performed.

Block Test at 250 psi	No Blocking
Adhesion Test using 250 Tape	Little adhesion failure at coatings/substrate interface; mostly substrate failure

STARTING POINT FORMULATION:

The following starting point formulation is recommended for an initial evaluation of **JONCRYL® 1915** emulsion. Modification of the formulation may be required to achieve desired results for specific applications.

JONCRYL 1915 EMULSION - HARDBOARD PRIMER
FORMULA #609-A

MATERIALS		**POUNDS**	**GALLONS**
JONCRYL 1915	(Acrylic Emulsion)	245.6	28.45
Dehydran® 1293	(Defoamer)	4.2	0.56
Ti-Pure® R-902	(TiO_2)	239.1	7.18
DMAE (DMEA)	(Amine)	2.5	0.34
Water		37.1	4.45
Atomite	($CaCO_3$)	439.1	19.52
DISPERSE TO 5H:			
Letdown:			
Water		34.0	4.09
JONCRYL 1915	(Acrylic Emulsion)	163.7	18.97
Water		132.8	15.94
Dehydran® 1293	(Defoamer)	2.1	0.28
DSX-1550	(Thickener)	2.0	0.22
TOTALS		1302.2	100.00

FORMULATION ATTRIBUTES:

Solids, % by weight	66
Solids, % by volume	49
Viscosity,#2 Zahn, seconds	57
Viscosity, cP	100
VOC Calculated	
g/l	22
lbs/gal	0.2

SUPPLIER INFORMATION:

Product	Description	Supplier
JONCRYL 1915*	Polymer	BASF Resins
TiPure R-902*	Pigment	Dupont
Atomite CaCO3	Extender	ECC International
Henkel DSX-1550*	Thickener	Cognos
Dehydran 1293*	Defoamer	Cognos

*These trademarks are owned by the suppliers listed above.

U.S. and Canada
BASF Resins
1609 Biddle Avenue
Wyandotte, Michigan
48192
Phone: 1-800-231-7868
Fax: 1-800-437-3266
americas@basf.com

Europe, Africa and
Middle East
BASF Resins B.V.
Innovatielaan 1
8466 SN Nijehaske
P.O. Box 390 8440
A J Heerenveen
The Netherlands
Phone: 31-513-619619
Fax: 31-513-619600
resins@basf.com

Japan
Johnson Polymer Corp.
Kanagawa Science Park
West-505
2-1, Sakado 3-Chome,
Takatsu-ku
Kawasaki-shi,
Kanagawa/Japan
213-0012
Phone: 81-44-829-1366
Fax: 81-44-829-1361

Asia/Pacific Rim
Johnson Polymer Ltd.
Block 213, Henderson Ind.
Park #04-11 Henderson
Road
Singapore 159533
Phone: +65-6272-2338
Fax: +65-6271-7956

Latin and South America
BASF Mexicana, S.A. de C.V.
Av. Insurgentes Sur # 975
Col. Ciudad de los Deportes
C.P. 03710
Mexico, D.F.
Phone : (52-55) 53-25-27-87
(52-55) 53-25-26-87
Fax: (52-55) 56-11-48-97