



Formulation

Light Grey Waterborne Acrylic Primer using HALOX 430

<u>GRIND</u>		<u>LBS.</u>	<u>GALS.</u>	<u>% Wt/Wt.</u>
Water		79.71	9.55	8.04
Hydrolat 3204	[1]	5.98	0.57	0.60
Ammonia (28%)		1.00	0.13	0.10
Tamol 165A	[2]	7.97	0.87	0.81
Dehydran 1620	[1]	1.00	0.13	0.10
Arcosolv DPM	[3]	19.93	2.51	2.01
Tioxide TR-92	[4]	104.62	3.21	10.55
Bayferrox 318M	[5]	9.96	0.26	1.01
HALOX 430		49.82	2.28	5.03
Nyral 400	[6]	39.85	1.68	4.02
Aerosil R-972	[7]	2.99	0.16	0.30

High speed disperse to a 5+ NS Hegman grind.

LETDOWN

Maincote HG-86	[2]	581.88	67.82	58.69
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Add above grind under good agitation

Arcosolv DPnB	[3]	42.84	5.64	4.32
Water		27.90	3.34	2.82
Texanol	[8]	4.98	0.63	0.50
Surfynol 104E	[9]	1.99	0.24	0.20
HALOX FLASH-X 150		4.98	0.54	0.50
BYK-023	[10]	0.50	0.06	0.05
Acrysol SCT-275	[2]	3.49	0.38	0.35

TOTAL		991.39	100.00	100.00
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FORMULA CONSTANTS

% Pigment/Wt.	20.90
% Pigment/Vol.	7.59
% Solids/Wt.	47.25
% Solids/Vol.	36.67
% PVC	21.08
VOC lbs./gal.	1.54
VOC g/L	184.89

FORMULA PROPERTIES

Density	9.91 lbs./gal.
Density	1181.08 g/L
pH @ 25°C	8.5-9.0
Stormer Viscosity @ 25°C	90-95 KU
ICI Viscosity @ 25°C	0.40-0.60 poise

SUPPLIER KEY

- [1] Cognis Corporation
- [2] Rohm and Haas Company
- [3] Lyondell Chemical Company
- [4] Huntsman Tioxide
- [5] Bayer Corporation
- [6] R.T. Vanderbilt Company, Inc.
- [7] Degussa Corporation
- [8] Eastman Chemical Company
- [9] Air Products & Chemicals, Inc.
- [10] BYK - Chemie USA Inc.

The information contained herein is correct to the best of our knowledge, but is intended only as a source of information. The recommendations or suggestions herein are made without guarantee of representation as to results, and we suggest that you evaluate the recommendations contained in this formulation in your own laboratory prior to use.

HG86/430

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