



Formulation

Cost Effective Water Base Acrylic Tannin Stain Blocking Primer using HALOX XTAIN L-44

<u>GRIND</u>		<u>LBS./100 GALS.</u>	<u>GRAMS/LITER</u>
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Mix at low speed.

Propylene Glycol		33.50	40.14
Tamol 2001	[1]	10.50	12.58
Water		115.00	137.81

Add next raw material slowly and mix at low speed for 5 minutes before proceeding.

Ammonia Hydroxide (28%)		1.10	1.32
Drewplus L-475	[2]	2.00	2.40
Kathon LX (1.5%)	[1]	1.50	1.80
Ti-Pure R-902	[3]	81.24	97.35
HALOX XTAIN L-44		30.00	35.95
Attagel 50	[6]	5.00	5.99
Calwhite	[4]	100.00	119.83
Mistron 353	[5]	150.00	179.75

Mix at high speed and disperse to 5+ NS Hegman grind.

LETDOWN

Add the following in order listed and mix at low speed.

Rhoplex PR-3232 LO	[1]	425.00	509.29
Texanol		7.12	8.53
Skane M-8	[1]	2.00	2.40
Drewplus L-475	[2]	4.00	4.79
HALOX FLASH-X 150		5.40	6.48

Add grind portion under agitation and mix until uniform.

Acrysol RM-2020	[1]	10.00	11.98
Acrysol RM-825	[1]	2.50	3.00
Water		28.00	33.55

Premix the next two ingredients and add slowly.

Natrosol Plus	[7]	2.00	2.40
Water		65.00	77.89

Ammonia Hydroxide (28%)		1.30	1.55
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Mix until uniform.

TOTAL		<u>1082.16</u>	<u>1296.78</u>
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FORMULA CONSTANTS

% Pigment/Wt.	31.23
% Pigment/Vol.	13.58
% Solids/Wt.	17.56
% Solids/Vol.	21.12
% PVC	39.14
VOC lbs./gal.	1.20
VOC g/l	143.80

FORMULA PROPERTIES

Density lbs./gal.	10.77
Density g/l	1290.30
pH @ R.T.	8.5-9.0
KU Visc. @ R.T.	100-105
<i>(Should not exceed a 30 KU increase after 30 days in the oven @ 55°C)</i>	
ICI (poise)	0.50-1.00

SUPPLIER KEY

[1]	Rohm and Haas Co.
[2]	Ashland Chemical Co., Drew Industrial Div.
[3]	Du Pont Co.
[4]	ECC International
[5]	Cypress Mineral Co.
[6]	Engelhard Corp.
[7]	Aqualon

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.

E3232/L-44

DS-030901

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