



# 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>
Water		148.00	177.35
Propylene Glycol		13.00	15.58
Tamol 681	[1]	8.00	9.59
Surfynol 104A	[2]	2.00	2.40
AMP-95	[3]	4.00	4.79
Drewplus L-475	[4]	2.00	2.40
Acrysol RM-825	[1]	2.20	2.64
Kronos 2101	[5]	140.00	167.76
Minex 7	[6]	200.00	239.66
HALOX XTAIN L-44		30.00	35.95
Acrysol RM-825	[1]	2.20	2.64
Water		25.00	29.96
<i>High speed disperse to 4+ NS Hegman grind.</i>			
<u>LETDOWN</u>			
Aquamac 540	[7]	375.00	449.37
Water		120.00	143.80
Drewplus L-475	[4]	2.00	2.40
Nuosept 95	[8]	1.50	1.80
Texanol		8.75	10.48
HALOX FLASH-X 150		5.40	6.48
<i>Add to adjust viscosity as needed.</i>			
Acrysol RM-825	[1]	2.00	2.40
<b>TOTAL</b>		<u>1091.05</u>	<u>1307.45</u>

### FORMULA CONSTANTS

%Pigment/Wt.	31.30
%Pigment/Vol.	13.40
%Solids/Wt.	47.35
%Solids/Vol.	31.89
%PVC	41.90
VOC lbs./gal.	1.23
VOC g/l	147.71

### FORMULA PROPERTIES

Density lbs./gal.	10.82
Density g/l	1296.58
pH @ R.T.	9.0-9.5
KU Visc. @ R.T.	85-95
<i>(Should not exceed a 20 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] Air Products and Chemicals, Inc.
- [3] ANGUS Chemical Co.
- [4] Ashland Chemical Co., Drew Industrial Div.
- [5] KRONOS, Inc.
- [6] Unimin Specialty Minerals, Inc.
- [7] McWhorter Technologies, Inc.
- [8] Huls America, 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 you own laboratory prior to use.*