



# Formulation

## High Performance Water Base Acrylic Tannin Stain Blocking Primer using HALOX BW-100

<u>GRIND</u>		<u>LBS./100 GALS.</u>	<u>GRAMS/LITER</u>
<i>Mix at low speed.</i>			
Propylene Glycol		45.00	54.00
Tamol 2001	[1]	8.89	10.67
Water		70.39	84.47

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

Ammonia Hydroxide (28%)		1.50	1.80
Drewplus L-475	[2]	2.00	2.40
Kathon LX (1.5%)	[1]	1.50	1.80
Ti-Pure R-902	[3]	81.24	97.49
HALOX BW-100		50.00	60.00
Calwhite	[4]	112.81	135.37
Mistron 353	[5]	112.81	135.37
Zinc Oxide	[6]	12.26	14.71

*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]	400.00	480.00
Texanol	[7]	7.12	8.54
Skane M-8	[1]	2.00	2.40
Drewplus L-475	[2]	4.00	4.80
Ammonia Hydroxide (28%)		1.50	1.80
HALOX FLASH-X 150		5.50	6.60

*Add grind portion under agitation and mix until uniform.*

Polyphobe 102	[8]	5.00	6.00
Polyphobe 106HE	[8]	4.00	4.80
Water		176.95	212.34

*Mix until uniform.*

<b>TOTAL</b>		<u>1104.47</u>	<u>1325.36</u>
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<u>FORMULA CONSTANTS</u>	
% Pigment/Wt.	33.59
% Pigment/Vol.	14.64
% Solids/Wt.	50.49
% Solids/Vol.	35.18
% PVC	41.62
VOC lbs./gal.	1.50
VOC g/l	179.40

<u>FORMULA PROPERTIES</u>	
Density lbs./gal.	10.92
Density g/l	1318.76
pH @ R.T.	8.5-9.0
KU Visc. @ R.T.	90-95
<i>(Should not exceed a 30 KU increase after 30 days in the oven @ 55°C)</i>	
ICI (poise)	0.80-1.00

### 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] New Jersey Zinc Co.
- [7] Eastman Chemical Co.
- [8] Union Carbide Corp.

*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.*

**E3232/100**

**DS-030901**