



# Formulation

## Low Cost Water Base Acrylic Tannin Stain Blocking Primer using HALOX XTAIN L-66

<u>GRIND</u>		<u>%Wt./Wt.</u>	
<i>Add the following in order listed while mixing at low speed.</i>			
Water		9.97	
Attagel 50	[1]	0.29	
Drewplus T-4505	[2]	0.09	Defoamer
<i>Mix for 5 minutes and add the following raw materials in order listed.</i>			
Propylene Glycol		3.80	
Tamol 681	[3]	1.42	Dispersant
Surfynol 104A	[4]	0.29	Surfactant
Kronos 2101	[5]	9.49	Titanium Dioxide
Minex 4	[6]	9.49	Filler
Icecap K	[7]	7.12	Filler
HALOX XTAIN L-66		2.99	Tannin Stain Inhibitor

*High speed disperse to a 5+ NS Hegman grind.*

<u>LETDOWN</u>			
EPS 2532	[8]	47.38	Resin
Water		5.03	
Drewplus T-4505	[2]	0.29	Defoamer
Troysan Polyphase AF-1	[9]	0.19	Fungicide
Nuospet 95	[10]	0.14	Preservative
Texanol	[11]	1.26	Coalescent
HALOX FLASH-X 150		0.47	Flash Rust Inhibitor

*Add grind portion under agitation and mix until uniform. Then slowly add the following raw material while mixing at high speed. Do not aerate!*

Acrysol RM-8W	[3]	0.29	Thickener
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*Mix until uniform.*

<b>TOTAL</b>		<u>100.00</u>	
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<u>FORMULA CONSTANTS</u>	
%Pigment/Wt.	26.39
%Pigment/Vol.	11.03
%Solids/Wt.	49.70
%Solids/Vol.	37.77
%PVC	30.30
VOC g/l	174.74

<u>FORMULA PROPERTIES</u>	
Density g/l	1246.25
pH @ R.T.	9.5-10.0
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)	0.30-0.50

<u>SUPPLIER KEY</u>	
[1]	Engelhard Corp.
[2]	Drew Ameriod GmbH
[3]	Rohm and Haas Deutschland GmbH
[4]	Air Products and Chemicals Division-Europe
[5]	KRONOS, Europe
[6]	Charles Tennant & Co. Ltd.
[7]	Omya GmbH
[8]	Engineered Polymer Solutions, Inc.
[9]	Troy Chemie GmbH
[10]	CREANOVA, Inc.
[11]	Eastman Chemie Co.

*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.*

**E2532/L-66E**

**MAS-102601**

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