



# Formulation

## Low Zinc Tannin Stain Blocking Acrylic/Alkyd Blend using HALOX XTAIN L-44 for the European Joinery Market

<u>GRIND</u>		<u>%Wt./Wt.</u>	
DI Water		5.30	
Byk 035	[1]	0.20	Defoamer
Disperse Ayd W-28	[2]	0.40	Dispersant
Coatex A-122	[3]	0.30	Dispersant
Kronos 2310	[4]	19.00	Pigment
Ca Carbonate		9.50	Extender

High speed disperse to a 6 NS Hegman grind.

### LETDOWN:

Premix the next 5 raw materials in order:

Primal PR-29	[5]	37.40	Resin
Disperse Ayd W-28		0.50	Dispersant
Coatex A-122		0.40	Dispersant
Byk 035		0.80	Defoamer
Duramac 301-4080	[6]	12.40	Resin

Add grind to premix under agitation, then all the following in order:

Texanol	[6]	1.00	Coalescent
Propylene Glycol		1.00	Solvent
Byketol WS	[1]	2.00	Additive
DI Water		3.30	
HALOX XTAIN L-44		3.50	Tannin-Stain Blocker

Add slowly under good agitation. Do not aerate.

Acrysol RM-2020 NPR	[5]	2.00	Thickener
Acrysol RM-825	[5]	1.00	Thickener

Mix until uniform.

**TOTAL** 100.00

### FORMULA CONSTANTS

%Pigment/Wt.	28.50
%Pigment/Vol.	12.56
%Solids/Wt.	55.90
%Solids/Vol.	52.49
%PVC	28.07
VOC g/l	73.22
<b>%Zn</b>	<b>0.20</b>

### FORMULA PROPERTIES

Density g/l	1321.20
Brookfield Visc. (cp)	9,000-11,000
KU Visc. @ R.T.	90-100
ICI Visc. (poise)	0.8-1.2
pH @ R.T.	8.5-9.0
Spread Rate	150g/m <sup>2</sup>

### SUPPLIER KEY

- [1] Byk-Chemie GmbH
- [2] Elementis Specialties
- [3] Coatex
- [4] Kronos Worldwide, Inc.
- [5] Rohm and Haas Deutschland GmbH
- [6] Eastman Chemical

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.

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