



Formulation

Tannin Stain Blocking Acrylic/Alkyd Blend using HALOX XTAIN L-44 and XTAIN L-66 for the European Joinery Market

GRIND		%Wt./Wt.	
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
Tioxide R-TC90	[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:

NeoCryl XK-90	[5]	37.40	Resin
Duramac 301-4080	[6]	12.40	Resin
Disperse Ayd W-28		0.50	Dispersant
Coatex A-122		0.40	Dispersant
Byk 035		0.80	Defoamer

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

Texanol	[6]	1.00	Coalescent
Propylene Glycol		3.30	Solvent
Byketol WS	[1]	2.00	Additive

Add slowly, mix for 10 minutes.

HALOX XTAIN L-44		2.00	Tannin-Stain Blocker
HALOX XTAIN L-66		2.00	Tannin-Stain Blocker
Zinc Oxide Paste*		1.00	Pigment Paste

Add slowly under good agitation. Do not aerate.

Acrysol 2020-NPR	[7]	2.00	Thickener
Acrysol RM-825	[7]	0.50	Thickener

Mix until uniform.

TOTAL		<u>100.00</u>	
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FORMULA CONSTANTS

%Pigment/Wt.	28.50
%Pigment/Vol.	12.68
%Solids/Wt.	56.51
%Solids/Vol.	52.19
%PVC	27.96
VOC g/l	143.62

FORMULA PROPERTIES

Density g/l	1321.20
Brookfield Visc. (cp)	8,000-10,000
KU Visc. @ R.T.	95-100
ICI Visc. (poise)	0.8-1.2
pH @ R.T.	8.5-9.0
Spread Rate	150g/m ²

SUPPLIER KEY

- [1] Byk-Chemie GmbH
- [2] Elementis Specialties
- [3] Coatex
- [4] Huntsman Tioxide
- [5] Neoresins
- [6] Eastman
- [7] Rohm and Haas Deutschland GmbH
- [8] Angus Chemie
- [9] Union Carbide
- [10] Munzing Chemie

*Zinc Oxide Paste	
Mix the following under Cowles blade	
Butyl Glycol	36.50
AMP-95 [8]	0.20
Triton CF10/Demi water 1:1	0.20
Orotan 850 [7]	4.20
ZnO	36.50
Agitan 260 [10]	0.60
Demi water	21.80
	100.00

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.

XK90 3014080/L44L66E

MJS-110602

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