



Formulation

Cost Effective Water Base Acrylic Tannin Stain Blocking Primer using HALOX XTAIN A

| <u>GRIND</u> | | <u>%Wt./Wt.</u> | |
|--------------------------|-----|-----------------|------------------------|
| <i>Mix at low speed.</i> | | | |
| Water | | 2.00 | |
| AMP-90 | [1] | 0.10 | Amine |
| Disperbyk-181 | [2] | 0.40 | Dispersant |
| Proxel GXL | [3] | 0.20 | Preservative |
| BYK 024 | [2] | 0.30 | Defoamer |
| Surfynol 104E | | 0.10 | Surfactant |
| Kronos 2101 | [4] | 14.00 | Titanium Dioxide |
| HALOX XTAIN A | | 0.50 | Tannin Stain Inhibitor |
| Milicarb | [5] | 13.50 | Filler |
| Micro Talc A.T. Extra | [6] | 3.00 | Filler |

Add the following at high speed and disperse to 5+ NS Hegman grind.

| <u>LETDOWN</u> | | | |
|-------------------|-----|-------|----------------------|
| Acronal S 725 | [7] | 60.00 | Resin |
| Texanol | | 2.00 | Coalescent |
| HALOX FLASH-X 150 | | 0.50 | Flash Rust Inhibitor |

Add grind paste and mix at low speed until uniform.

| | | | |
|-----------------------------|-----|------|-----------|
| Collacral PU 75 | [7] | 3.20 | Thickener |
| (1:1 with Propylene Glycol) | | | |
| BYK 024 | [2] | 0.20 | Defoamer |

TOTAL 100.00

FORMULA CONSTANTS

| | |
|---------------|--------|
| %Pigment/Wt. | 30.97 |
| %Pigment/Vol. | 13.20 |
| %Solids/Wt. | 59.27 |
| %Solids/Vol. | 44.62 |
| %PVC | 29.59 |
| VOC g/l | 130.27 |

FORMULA PROPERTIES

| | |
|---|------------|
| Density g/l | 1201.20 |
| pH @ R.T. | 9.0-9.5 |
| KU Visc. @ R.T. | 90-95 |
| <i>(Should not exceed a 20 KU increase after 30 days in the oven at 55°C)</i> | |
| ICI (poise) | 1.00- 1.20 |

SUPPLIER KEY

| | |
|-----|----------------------|
| [1] | ANGUS Chemie GmbH |
| [2] | BYK-Chemie GmbH |
| [3] | Avecia Neo-Resins |
| [4] | KRONOS, Europe |
| [5] | Omya GmbH |
| [6] | Norwegian Talc, Ltd. |
| [7] | BASF AG |

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.

S725/XTAINE

DS-071000

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