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VANDERBILT

Minerals Formula

Formula 021612
Latex Tannin Blocking Primer
DARVAN® 561¹ Dispersant, VANSIL® W 30¹ Wollastonite,

DISPERSION	<u>Pounds</u>	<u>Gallons</u>	<u>Kilograms</u>	<u>Liters</u>
2.5% Cellosize® QP 4400 ²	40.0	4.8	4.82	4.82
Water	60.0	7.2	7.23	7.23
Drewplus® L 475 ³	2.0	0.3	0.24	0.27
Propylene Glycol	25.0	2.9	3.01	2.91
DARVAN 561¹	10.0	1.0	1.21	1.00
Triton® CF-10 ²	2.0	0.2	0.24	0.23
Ti-Pure® R 706 ⁴	200.0	6.0	24.11	6.03
XX 503 R ZnO ⁵	25.0	0.5	3.01	0.54
Stainban® 208 ⁶	65.0	2.6	7.83	2.66
VANSIL W 30¹	65.0	2.7	7.83	2.70
Diafil® 570 ⁷	10.0	0.5	1.21	0.55
Fungicide	20.0	1.4	2.41	1.41
ATTAGEL™ 50 ⁸	5.0	0.3	0.60	0.26

Mix at high shear for 15 minutes. Reduce speed for let down.

LET DOWN

Rhoplex® PR 33 Latex ²	525.0	59.4	63.28	59.64
Texanol® ⁹	12.0	1.5	1.45	1.51
Water	25.0	3.0	3.01	3.01
<i>Preblend the next two items and add.</i>				
Water	27.5	3.3	3.31	3.31
Acrysol® RM 825 ²	2.5	0.3	0.30	0.29
Drewplus L 475 ³	2.0	0.3	0.24	0.27
Stainban 185 ⁶	25.0	2.1	1.81	1.39

Mix at slow speed for 10 minutes.

TOTALS	1145.5	100.0	137.15	100.03
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PAINT PROPERTIES

Density	11.4 lbs/gal	1.37 g/ml
% Solids by weight	54.3	
% Solids by volume	38.7	
% PVC	35	
Pigment to binder ratio	1.65:1	
Calculated VOC	0.57 lbs/gal	61 g/l

RAW MATERIAL SUPPLIERS

- ¹Vanderbilt Minerals, LLC, Norwalk, CT
- ²Dow Chemical Company, Midland, MI
- ³Ashland Specialty Chemical Company, Columbus, OH
- ⁴E.I. du Pont de Nemours & Company, Wilmington, DE
- ⁵Zinc Corporation of America, Monaca, PA
- ⁶WPC Technologies, Inc. Milwaukee, WI
- ⁷World Minerals, Santa Barbara, CA
- ⁸BASF, Florham Park, NJ
- ⁹Eastman Chemical, Kingsport, TN

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- Drewplus is a registered trademark of Ashland Licensing and Intellectual Property, LLC.
- Stainban is a registered trademark of Wayne Pigment Corporation.
- Texanol is a registered trademark of Eastman Chemical Company.
- Ti-Pure is a registered trademark of E.I. du Pont de Nemours & Company.

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