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VANDERBILT

Minerals Formula

Formula 103101
Exterior Latex House Paint with good tint retention
DARVAN® 7-N¹ Dispersant, VANSIL® W-40¹ Wollastonite

DISPERSION	<u>Pounds</u>	<u>Gallons</u>	<u>Kilograms</u>	<u>Liters</u>
Water	200.0	24.0	23.87	23.87
Natrosol® Plus 330 ²	2.5	0.1	0.30	0.22
Drewplus® L 475 ³	2.0	0.3	0.24	0.26
DARVAN 7-N¹ Dispersant	5.5	0.6	0.66	0.57
Igepal® CO 630 ⁴	2.2	0.2	0.26	0.25
Propylene glycol	17.0	2.0	2.03	1.96
Ti-Pure® R 706 ⁵	150.0	4.5	17.90	4.48
VANSIL W-40¹ Wollastonite	180.0	7.5	21.48	7.41
ATTAGEL™ 50 ⁶	2.0	0.1	0.24	0.10
AMP-95 ⁷	1.0	0.1	0.12	0.13
Mildewcide	20.0	1.4	2.39	1.39

Disperse at high speed for 15 minutes.

Reduce speed for let down.

LET DOWN

Rhoplex Multilobe® 200 Latex ⁸	300.0	34.0	35.80	34.76
Water	176.8	21.2	21.10	21.10
Drewplus® L 475 ³	1.5	0.2	0.18	0.20
Texanol ⁹	12.8	2.0	1.53	1.59
Acrysol® RM 2020 NPR ⁸	13.0	1.5	1.55	1.49
AMP-95 ⁷	2.0	0.3	0.24	0.25

Mix at slow speed for 10 minutes.

Tint at 8 oz/gal.

TOTALS	1088.3	100.0	129.89	100.03
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PAINT PROPERTIES

Density	10.9 lbs/gal	1.30 g/ml
% Solids by weight	47.5	
% Solids by volume	30.9	
% PVC	41	
Pigment to binder ratio	2.04:1	
Calculated VOC	0.86 lbs/gal	103 g/l

RAW MATERIAL SUPPLIERS

- ¹Vanderbilt Minerals, LLC, Norwalk, CT
- ²Aqualon Company, Wilmington, DE
- ³Ashland Specialty Chemical Company, Columbus, OH
- ⁴Rhodia Inc., Cranberry, NJ
- ⁵E. I. du Pont de Nemours & Company, Wilmington, DE
- ⁶BASF Corporation, Florham Park, NJ
- ⁷Angus Chemical Company, Buffalo Grove, IL
- ⁸Dow Chemical Company, Midland, MI

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