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VANDERBILT

Minerals Formula

Formula 040808
Exterior Alkyd Modified Latex Tint Base for Deep Toned House & Trim Paint
DARVAN® 7-N¹ Dispersant, ACTIV-8®² Drier Accelerator

	Pounds	Gallons	Kilograms	Liters
DISPERSION				
2% Cellosize® QP 4400 ²	204.0	24.3	24.48	24.48
28% Ammonium Hydroxide	2.0	0.3	0.24	0.26
Proxel® GXL ³	1.0	0.1	0.12	0.11
DARVAN 7-N ¹ Dispersant	15.0	1.6	1.80	1.55
Drewplus® L 475 ⁴	2.0	0.3	0.24	0.26
Triton® CF 10 ²	2.0	0.2	0.24	0.22
Propylene Glycol	29.0	3.4	3.48	3.36
Ti-Pure® R 902 ⁵	35.0	1.1	4.20	1.05
Talcron® 35 LOA Talc ⁶	233.0	10.0	27.94	9.98
ATTAGEL™ 50 ⁷	3.0	0.2	0.36	0.15

High speed disperse for 15 minutes.
Reduce speed for let down.

LET DOWN

Rhoplex Multilobe® 200 ²	335.0	39.0	40.20	39.03
Aroplaz® 1271 ⁸ & driers**	41.0	4.9	4.80	4.83
Texanol ⁹	10.0	1.3	1.20	1.25
Drewplus L 475 ⁴	2.0	0.3	0.24	0.26
Polyphase® AF 1 ¹⁰	10.0	1.0	1.20	1.00
Triton® GR-7M ²	1.0	0.1	0.12	0.12
<i>Blend the next two items and add.</i>				
Water	92.6	11.1	11.28	11.28
Acrysol® RM 825 ²	7.0	0.8	0.84	0.81

Mix at slow speed for 10 minutes.
Tint at 8 to 12 oz/gal to yield deep toned
paint with good tint retention.

TOTALS	1024.6	100.0	122.98	100.00
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PAINT PROPERTIES

Density	10.25 lbs/gal	1.23 g/l
% Solids by weight	49.4	
% Solids by volume	37.8	
% PVC	31	
Pigment to binder ratio	1.24:1	
Calculated VOC	1.18 lbs/gal	141 g/l

	Pounds	Gallons	Kilograms	Liters
** Aroplaz 1271⁸ & driers.				
<i>Add driers to resin as follows.</i>				
Aroplaz 1271 ⁸	38.30	4.6	4.48	4.48
ACTIV-8 ² Drier Accelerator	0.14	0.0	0.02	0.02
6% Co drier	0.22	0.0	0.03	0.02
6% Mn drier	0.22	0.0	0.03	0.02
12% Zr drier	1.16	0.1	0.14	0.14
Skino® No 2 ¹¹	1.00	0.1	0.12	0.13

RAW MATERIAL SUPPLIERS

¹Vanderbilt Minerals, LLC, Norwalk, CT
²Dow Chemical Company, Inc., Midland, MI
³AstraZeneca Pharmaceuticals LP, Wilmington, DE
⁴Ashland Chemical Company, Covington, KY
⁵E.I. du Pont de Nemours & Company, Wilmington, DE
⁶Specialty Minerals Inc., Barretts, MT
⁷BASF Corporation, Florham Park, NJ
⁸Reichhold Inc., Research Triangle Park, NC
⁹Eastman Chemical Company, Kingsport, TN
¹⁰Troy Corporation, Florham Park, NJ
¹¹OM Group, Inc., Cleveland, OH

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