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VANDERBILT

Minerals Formula

Formula 120313

Alkyd Modified Acrylic Latex Maintenance Primer

DARVAN® 7N¹ Dispersing Agent, **VAN GEL® ES¹** Magnesium Aluminum Silicate,
ACTIV-8®¹ Drier Accelerator and Stabilizer

	Pounds	Gallons	Kilograms	Liters
DISPERSION				
Water	106.0	12.7	12.69	12.69
Drewplus® L 475 ²	1.0	0.1	0.12	0.13
28% Ammonium Hydroxide	1.0	0.1	0.12	0.13
DARVAN® 7N¹ Dispersing Agent	13.5	1.4	1.62	1.40
Triton® X 405 ³	1.5	0.2	0.18	0.18
Texanol® ⁴	10.0	1.3	1.20	1.25
<i>Preblend the driers and alkyd resin.</i>				
Beckosol® 1271 Alkyd Resin ⁵	57.0	6.9	6.84	6.84
ACTIV-8®¹ Drier Accelerator and Stabilizer	0.2	<0.1	0.02	0.02
12% Zr Hex-Cem® ⁶	1.7	0.2	0.21	0.21
6% Co Cem-All® ⁶	0.3	<0.1	0.04	0.04
6% Mn Nap-All® ⁶	0.3	<0.1	0.04	0.04
Skino® No. 2 ⁶	0.5	0.1	0.06	0.06
Triton® X 100 ³	4.5	0.6	0.54	0.51
Ethylene Glycol	20.0	2.2	2.40	2.16
15% Sodium Nitrite	6.0	0.7	0.72	0.72
Ti-Pure® R 960 ⁷	150.0	4.4	17.99	4.50
325 Mesh WG Mica ⁸	25.0	1.1	3.00	1.06
Gama-Sperse® 80 ⁹	140.0	6.2	16.79	6.19
Busan® 11-M1 ¹⁰	100.0	3.6	12.00	3.63
VAN GEL® ES¹ Magnesium Aluminum Silicate	10.0	0.5	1.20	0.46
<i>Disperse at high shear for 15 minutes. Reduce speed for LET DOWN.</i>				
LET DOWN				
Rhoplex® MV-23 LO ³	475.0	54.0	56.95	54.03
Drewplus® L 475 ²	1.0	0.1	0.12	0.13
2.5% Cellosize® QP-4400 ³	30.0	3.6	3.60	3.60
<i>Mix at slow speed for 10 minutes.</i>				
TOTALS	1154.5	100.0	138.45	99.98

PAINT PROPERTIES

Density	11.5 lbs/gal	1.38 g/cc
% Solids by weight	59.5	
% Solids by volume	45.3	
PVC	35	
Pigment to binder ratio	1.58:1	
Calculated VOC	0.67 lbs/gal	80 g/L

RAW MATERIAL SUPPLIERS

- Vanderbilt Minerals, LLC, Norwalk, CT
- Ashland Specialty Chemical Company, Columbus, OH
- Dow Chemical Company, Midland, MI
- Eastman Chemical, Kingsport, TN
- Reichhold Incorporated, Research Triangle Park, NC
- OM Group, Incorporated, Cleveland, OH
- E.I. DuPont de Nemours & Company, Wilmington, DE
- KMG Minerals, Kings Mountain, NC
- Imerys Minerals, LTD, Roswell, GA
- Buckman Laboratories International, Incorporated, Memphis, TN

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