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VANDERBILT

Minerals Formula

Formula 042809
Low Cost Ceiling Paint
PYRAX® ABB¹ Pyrophyllite, DARVAN® 7-N¹ Dispersant

DISPERSION	Pounds	Gallons	Kilograms	Liters
Water	450.0	54.0	54.40	54.40
KTPP	0.5	0.1	0.06	0.02
Igepal® CO 630 ²	2.0	0.3	0.24	0.23
Texanol ³	5.0	0.6	0.60	0.63
Drewplus® I 475 ⁴	2.0	0.3	0.24	0.27
DARVAN 7-N¹ Dispersant	5.0	0.6	0.60	0.54
<i>Preblend the next two items and add:</i>				
Ethylene Glycol	15.0	1.6	1.81	1.63
Cellosize® QP 4400 ⁵	6.0	0.6	0.73	0.52
Ti-Pure® R 706 ⁶	125.0	3.7	15.11	3.78
Iceberg® Clay ⁷	125.0	5.7	15.11	5.75
PYRAX ABB¹ Pyrophyllite	137.5	6.6	16.62	6.13
Gama-Sperse® 80 ⁸	137.5	5.9	16.62	5.73

Mix at high speed for 10 minutes.

Reduce speed for let down.

LET DOWN

Celite® 281 ⁹	50.0	2.6	6.04	2.63
Water	55.0	6.6	6.65	6.65
Aquamac® 580 Latex ¹⁰	100.0	11.1	12.09	11.09

Mix at slow speed for 5 minutes.

TOTALS	1212.5	100.0	146.92	100.00
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PAINT PROPERTIES

Density	12.1 lbs/gal	1.47 g/ml
% Solids by weight	52.0	
% Solids by volume	30.0	
% PVC	80.9	
Pigment to binder ratio	10.18:1	
Calculated VOC	0.59 lbs/gal	70 g/l

RAW MATERIAL SUPPLIERS

¹Vanderbilt Minerals, LLC, Norwalk, CT

²Rhodia Inc., Cranberry, NJ

³Eastman Chemical Company, Kingsport, TN

⁴Ashland Chemical Company, Covington, KY

⁵Dow Chemical Company, Midland, MI

⁶E. I. du Pont de Nemours & Company, Wilmington, DE

⁷Burgess Pigment Company, Sandersville, GA

⁸Imerys Minerals, Ltd., Roswell, GA

⁹Celite Corporation, Lompoc, CA

¹⁰Resolution Specialty Materials, Houston, TX

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Iceberg is a registered trademark of Burgess Pigment Company.

Igepal is a registered trademark of Rhodia.

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Ti-Pure is a registered trademark of E. I. du Pont de Nemours & Company.

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