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# VANDERBILT

## Minerals Formula

### Formula 041409

#### Interior/Exterior Block Filler

**PYRAX**<sup>®</sup> **ABB**<sup>1</sup> Pyrophyllite, **DARVAN**<sup>®</sup> **7-N**<sup>1</sup> Dispersant,  
**VAN GEL**<sup>®</sup> **B**<sup>1</sup> Magnesium Aluminum Silicate

	<u>Pounds</u>	<u>Gallons</u>	<u>Kilograms</u>	<u>Liters</u>
<b>DISPERSION</b>				
Water	286.9	34.4	33.77	33.77
KTPP	1.5	0.1	0.18	0.71
Triton <sup>®</sup> CF-10 <sup>2</sup>	2.5	0.4	0.42	0.39
<b>DARVAN 7-N</b> <sup>1</sup> Dispersant	10.0	1.0	1.19	1.03
Drewplus <sup>®</sup> L 475 <sup>3</sup>	2.0	0.3	0.24	0.26
Ethylene Glycol	20.0	2.2	2.38	2.14
Texanol <sup>®4</sup>	15.0	1.9	1.79	1.86
Mineral Spirits	7.0	1.1	0.83	1.09
Zinc Oxide XX 503 <sup>5</sup>	50.0	1.1	5.96	1.07
Ti-Pure <sup>®</sup> R 900 <sup>6</sup>	50.0	1.5	5.96	1.49
Talcron <sup>®</sup> 35 LOA Talc <sup>7</sup>	25.0	1.1	2.98	1.06
<b>PYRAX ABB</b> <sup>1</sup> Pyrophyllite	50.0	2.2	5.96	2.25
325 Mesh Mica	70.0	3.0	0.60	0.23
<b>VAN GEL B</b> <sup>1</sup> Magnesium Aluminum Silicate	5.0	0.2	8.34	2.95
Cellosize <sup>®</sup> ER 15 M <sup>2</sup>	2.0	0.2	21.46	20.69
Rhoplex <sup>®</sup> AC 264 <sup>8</sup>	180.0	20.4	0.24	0.17
ASP 400 Clay <sup>9</sup>	430.0	20.0	51.25	19.87

Mix at medium to high speed for 15 minutes.  
Reduce speed for let down.

#### LET DOWN

Drewplus <sup>®</sup> L 475 <sup>3</sup>	2.0	0.3	0.24	0.26
Rhoplex <sup>®</sup> AC 264 <sup>8</sup>	65.0	7.4	7.75	7.47
Mineral Spirits	8.0	1.2	0.95	1.24

Mix at medium speed for 5 minutes.

<b>TOTALS</b>	1281.9	100.0	152.49	100.00
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#### PAINT PROPERTIES

Density	12.8 lbs/gal	1.52 g/ml
% Solids by weight	64.8	
% Solids by volume	44.7	
% PVC	65	
Pigment to binder ratio	4.59:1	
Calculated VOC	0.93 lbs/gal	112 g/l

#### RAW MATERIAL SUPPLIERS

<sup>1</sup>Vanderbilt Minerals, LLC, Norwalk, CT  
<sup>2</sup>Dow Chemical Company, Midland, MI  
<sup>3</sup>Ashland Chemical Company, Covington, KY  
<sup>4</sup>Eastman Chemical Company, Kingsport, TN  
<sup>5</sup>Zinc Corporation of America, Monaca, PA  
<sup>6</sup>E. I. du Pont de Nemours & Company, Wilmington, DE  
<sup>7</sup>Specialty Minerals, Inc. Barretts, MT  
<sup>8</sup>Dow Chemical, Midland, MI  
<sup>9</sup>BASF, Florham Park, NJ

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