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# VANDERBILT

## Minerals Formula

**Formula 111808**  
**Interior Floor Coating**  
**DARVAN® 7-N<sup>1</sup> Dispersant, VANSIL® W-50<sup>1</sup> Wollastonite**

	Pounds	Gallons	Kilograms	Liters
<b>DISPERSION</b>				
Water	105.0	12.6	12.60	12.60
Igepal® CO 630 <sup>2</sup>	2.0	0.2	0.24	0.23
Soya Lecithin	2.0	0.2	0.24	0.23
<b>DARVAN 7-N<sup>1</sup> Dispersant</b>	5.0	0.5	0.60	0.52
Drewplus® L 475 <sup>3</sup>	1.5	0.5	0.18	0.20
Ti-Pure® R 902 <sup>4</sup>	115.0	3.5	13.80	3.45
ATTAGEL™ 50 <sup>5</sup>	10.0	0.5	1.20	0.51
<b>VANSIL W-50<sup>1</sup> Wollastonite</b>	145.0	6.0	17.39	6.00

*High speed disperse for 20 minutes. Set aside.*

**LET DOWN**

Water	160.0	19.2	19.19	19.19
Aquamac® 450 Latex <sup>6</sup>	370.0	42.1	44.39	42.07
Drewplus L 475 <sup>3</sup>	1.5	0.2	0.18	0.20

*Add dispersion while mixing at medium speed.*

*Preblend the next five items, mix at slow speed for 1 minute and add:*

Ethylene Glycol	5.0	0.5	0.60	0.54
Texanol <sup>7</sup>	15.0	1.9	1.80	1.88
Butyl Carbitol <sup>8</sup>	4.0	0.5	0.48	0.50
Acrysol® RM 2020 NPR <sup>9</sup>	10.0	1.1	1.20	1.15
Acrysol® RM 825 <sup>9</sup>	10.0	1.1	1.20	1.15
Water	75.0	9.0	9.00	9.00
Polyphobe® TR 116 <sup>8</sup>	2.5	0.3	0.30	0.27
AMP-95 <sup>10</sup>	1.0	0.1	0.12	0.13
Drewplus L 475 <sup>3</sup>	1.5	0.2	0.18	0.20

*Mix at slow speed for 30 minutes. Post add black tint paste to make the paint gray.*

<b>TOTALS</b>	1041.0	100.2	124.89	100.02
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**PAINT PROPERTIES**

Density	10.4 lbs/gal	1.25 g/ml
% Solids by weight	43.7	
% Solids by volume	29.3	
% PVC	32.5	
Pigment to binder ratio	1.40:1	
Calculated VOC	0.68 lbs/gal	81 g/l

**RAW MATERIAL SUPPLIERS**

- <sup>1</sup>Vanderbilt Minerals, LLC, Norwalk, CT
- <sup>2</sup>Rhodia Inc., Cranbury, NJ
- <sup>3</sup>Ashland Chemical Company, Covington, KY
- <sup>4</sup>E.I. du Pont de Nemours & Company, Wilmington, DE
- <sup>5</sup>BASF Corporation, Florham Park, NJ
- <sup>6</sup>Hexion Specialty Chemicals, Houston, TX
- <sup>7</sup>Eastman Chemical Company, Kingsport, TN
- <sup>8</sup>Dow Chemical Company, Midland, MI
- <sup>9</sup>Rohm & Haas Company, Philadelphia, PA
- <sup>10</sup>Angus Chemical Company, Buffalo Grove, IL

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