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# VANDERBILT

## Minerals Formula

**Formula 121809**  
**Interior Latex Satin Wall Paint**  
**DARVAN® 7-N<sup>1</sup> Dispersant**

	<u>Pounds</u>	<u>Gallons</u>	<u>Kilograms</u>	<u>Liters</u>
<b>DISPERSION</b>				
2.5% Cellosize® QP 4400 <sup>2</sup>	200.0	24.0	23.97	23.97
Water	100.0	12.0	11.98	11.98
KTPP	1.0	0.1	0.12	0.05
<b>DARVAN 7-N<sup>1</sup> Dispersant</b>	5.0	0.5	0.60	0.52
Triton® CF 10 <sup>2</sup>	3.0	0.3	0.36	0.34
Drewplus® L 475 <sup>3</sup>	2.0	0.3	0.24	0.26
Kathon® LX <sup>2</sup>	1.5	0.2	0.18	0.18
Sodium Carbonate	3.0	0.2	0.36	0.17
Ti-Pure® R 900 <sup>4</sup>	150.0	4.5	17.98	4.49
Satintone® W <sup>5</sup>	49.4	2.25	5.92	2.25
Talcron® MP 44-26 <sup>6</sup>	52.5	2.25	6.19	2.25

*Mix at high speed for 15 minutes.  
Reduce speed for let down.*

**LET DOWN**

UCAR® 300 Latex <sup>7</sup>	400.0	45.0	47.93	44.92
Drewplus® L 475 <sup>3</sup>	2.0	0.3	0.24	0.26
<i>Preblend the next two items and add:</i>				
Water	62.6	7.5	7.79	7.79
Acrysol® RM 825 <sup>2</sup>	5.0	0.6	0.60	0.58

*Mix at slow speed for 10 minutes.*

<b>TOTALS</b>	1037.0	100.0	124.46	100.01
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**PAINT PROPERTIES**

Density	10.4 lbs/gal	1.25 g/ml
% Solids by weight	46.0	
% Solids by volume	32.0	
% PVC	28.6	
Pigment to binder ratio	1.15:1	
Calculated VOC	< 0.05 lbs/gal	< 5 g/L

**RAW MATERIAL SUPPLIERS**

- <sup>1</sup>Vanderbilt Minerals, LLC, Norwalk, CT
- <sup>2</sup>Dow Chemical, Midland, MI
- <sup>3</sup>Ashland Chemical, Covington, KY
- <sup>4</sup>E.I. DuPont, Wilmington, DE
- <sup>5</sup>BASF, Florham Park, NJ
- <sup>6</sup>Specialty Minerals, Inc., Barretts, MT
- <sup>7</sup>Arkema Emulsion Systems, Cary, NC

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- Satintone is a registered trademark of BASF Catalysts LLC.
- Talcron is a registered trademark of Minerals Technologies, Inc.
- Ti-Pure is a registered trademark of E. I. du Pont de Nemours & Company.

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