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VANDERBILT

Minerals Formula

Formula 050211

High Solids Alkyd Corrosion Inhibitive Coating

VANSIL® W 50¹ Wollastonite, **ACTIV-8**^{®1} Drier, Stabilizer and Accelerator

	<u>Pounds</u>	<u>Gallons</u>	<u>Kilograms</u>	<u>Liters</u>
GRIND				
Beckosol® 6421-X-75 HS Alkyd Resin ²	150.0	16.7	18.00	16.68
Triethanol Amine	2.0	0.3	0.24	0.24
Nuosperse® 657 ³	8.0	1.0	0.96	1.02
Xylene	68.1	9.5	8.17	9.50
Ti-Pure® R900 ⁴	250.0	7.5	30.00	7.50
VANSIL® W 50 ¹	25.0	1.0	3.00	1.03
Moly-White® 212 ⁵	25.0	1.0	3.00	1.00

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

LET DOWN

Beckosol® 6421-X-75 HS Alkyd Resin ²	405.0	45.0	48.61	45.00
Xylene	61.7	8.6	7.40	8.60
<i>Preblend the next 6 items and add:</i>				
50/50 Butanol/xylene	50.0	7.2	6.00	7.19
ACTIV-8 ^{®1}	2.1	0.3	0.25	0.27
6% Cobalt Cem-All ^{®6}	3.5	0.5	0.42	0.48
6% Calcium Cem-All ^{®6}	7.0	0.9	0.84	0.93
12% Zirconium Hex-Cem ^{®6}	3.5	0.4	0.42	0.43
Exkin® No 2 ³	1.0	0.1	0.12	0.13

Mix at slow speed for 10 minutes.

TOTALS	1061.91	100.0	127.43	100.00
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PAINT PROPERTIES

Density	10.6 lbs/gal	1.27 g/l
% Solids by weight	67.4	
% Solids by volume	52.1	
% PVC	18.2	
Pigment to binder ratio	0.72:1	
Calculated VOC	3.31 lbs/gal	397 g/l

RAW MATERIAL SUPPLIERS

- ¹Vanderbilt Minerals, LLC, Norwalk, CT
- ²Reichhold Incorporated, Research Triangle Park, NC
- ³CONDEA Servo LLC, South Plainfield, NJ
- ⁴E.I. DuPont de Nemours & Company, Wilmington, DE
- ⁵Moly-White Pigments Group, Cleveland, OH
- ⁶OM Group, Incorporated, Cleveland, OH

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Vanderbilt Minerals, LLC, 33 Winfield Street, P.O. Box 5150, Norwalk, CT 06856-5150
Telephone: (800) 562-2476 - Fax: (203) 855-1220 - Web Site: vanderbiltminerals.com

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