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VANDERBILT

Minerals Formula

Formula 090909
High Solids Alkyd Corrosion Inhibitive Primer
VANSIL® W-30¹ Wollastonite,
ACTIV-8®¹ Drier Stabilizer and Accelerator

	Pounds	Gallons	Kilograms	Liters
GRIND				
Beckosol® 3859-Z-80 High Solids Alkyd Resin ²	185.0	20.7	22.19	20.74
Aromatic® 100 ³	125.0	17.2	15.00	17.18
Soya Lecithin	5.0	0.6	0.60	0.58
Anti-Terra® U ⁴	5.0	0.3	0.60	0.31
Moly-White™ MZAP ⁵	125.0	5.0	15.00	5.00
Ti-Pure® R 900 ⁶	125.0	3.8	15.00	3.75
Talcron® 35 LOA talc ⁷	159.0	6.8	19.07	6.81
VANSIL W-30¹ Wollastonite	53.0	2.2	6.36	2.19
Baricron™ 1085 ⁷	330.0	8.8	39.59	8.80

*Mix at high speed for 15 minutes. Hegman fineness target 4-5.
Reduce speed for let down.*

LET DOWN

Beckosol® 3859-Z-80 High Solids Alkyd Resin ²	185.0	20.7	22.19	20.74
Aromatic® 100 ³	91.6	12.6	11.00	12.60
<i>Preblend the next 7 items and add:</i>				
Butyl Alcohol	25.0	3.7	3.00	3.70
Xylene	25.0	3.5	3.00	3.49
ACTIV-8¹ Drier Stabilizer and Accelerator	1.2	0.2	0.14	0.15
12% Cobalt Cem-All® ⁸	1.0	0.1	0.12	0.12
12% Zirconium Hex-cem® ⁸	2.1	0.3	0.25	0.26
12% Calcium Cem-All® ⁸	4.1	0.5	0.50	0.55
Skino® No. 2 ⁸	2.5	0.3	0.30	0.33

Mix at slow speed for 10 minutes.

TOTALS	1384.5	100.1	166.12	100.00
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PAINT PROPERTIES

Density	13.8 lbs/gal	1.66 g/l
% Solids by weight	75.8	
% Solids by volume	53.0	
% PVC	49.9	
Pigment to binder ratio	3.08:1	
Calculated VOC	3.31lbs/gal	398 g/l

RAW MATERIAL SUPPLIERS

- ¹Vanderbilt Minerals, LLC, Norwalk, CT
- ²Reichhold Inc. Research-Triangle Park, NC
- ³Exxon-Mobile Chemical, Houston, TX
- ⁴BYK USA, Wallingford, CT
- ⁵Moly-White Pigments Group, Cleveland, OH
- ⁶E.I. DuPont de Nemours, Wilmington, DE
- ⁷Specialty Minerals Inc., Barretts, MT
- ⁸OM Group, 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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