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VANDERBILT

Minerals Formula

Formula 081501

Water-Reducible Alkyd/Acrylic Latex Direct To Metal Primer

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

DISPERSION	Pounds	Gallons	Kilograms	Liters
Kelsol® 3961-B2G-75 ²	65.6	7.5	7.87	7.49
Arcosolv® DPM ³	28.1	4.0	3.37	3.95
<i>Preblend the next four items and add.</i>				
Arcosolv® DPM	23.4	3.3	2.81	3.29
Arcosolv® PM Acetate ³	4.7	0.6	0.56	0.58
ACTIV-8 ¹ Drier, Stabilizer and Accelerator	0.4	0.0	0.04	0.05
Cobalt Hydrocure® II ⁴	1.5	0.2	0.18	0.20
Ti-Pure® R 900 ⁵	46.8	1.4	5.62	1.41
VANSIL W-50 ¹ Wollastonite	76.1	3.1	9.13	3.15
Halox® SW 111 ⁶	74.9	3.1	9.00	3.14
<i>Disperse at high speed for 20 minutes.</i>				
<i>Reduce speed and add:</i>				
AMP-95 ^{®7}	1.9	0.2	0.23	0.24
Water	57.5	6.9	6.74	6.74
<i>Measure pH and adjust to 8.0 to 8.5 with AMP-95.</i>				
<i>Mix at slow speed for 5 minutes.</i>				

LET DOWN

2.5% Cellosize® QP 4400 ⁸	131.2	15.7	15.74	15.74
<i>Mix at medium speed for 5 minutes.</i>				
NeoCryl® 6085 Latex ⁹	468.4	54.0	56.20	54.03
<i>Mix at slow speed for 10 minutes.</i>				

TOTALS

980.5 100.0 117.49 100.01

PAINT PROPERTIES

Density	9.8 lbs/gal	1.17 g/ml
% Solids by weight	44.8	
% Solids by volume	33.4	
% PVC	23	
Pigment to binder ratio	0.82:1	
Calculated VOC	1.72 lbs/gal	205 g/l

RAW MATERIAL SUPPLIERS

- ¹Vanderbilt Minerals, LLC, Norwalk, CT
- ²Reichhold, Inc., Research Triangle Park, NC
- ³Lyondell Chemical Company, Rotterdam, The Netherlands
- ⁴OM Group, Inc., Cleveland, OH
- ⁵E.I. du Pont de Nemours & Company, Wilmington, DE
- ⁶Halox Pigments, Hammond, IN
- ⁷Angus Chemical Company, Buffalo Grove, IL
- ⁸Dow Chemical Company, Midland, MI
- ⁹AstraZeneca Pharmaceuticals LP, Wilmington, DE

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