

New Water Based Epoxy Primer Formulation Exceeds 1600 Hours Salt Spray

Material	Pounds	Gallons
Part A		
Natrosol 250 HR (2%)	166.1	19.85
Disperbyk 190	9.7	1.10
Additol VXW-6393 Defoamer	3.3	0.47
Mix well, then add		
RO-4097 RIO	75.0	1.84
Heucophos ZPA	100.0	4.27
Zeesphere 400	38.8	1.94
10 ES WOLLASTOCOAT®	113.0	4.67
Wet Ground Mica (325 Mesh)	7.5	0.32
HSD to a texture of 4-5 N.S., then add		
Beckopox EP 2384 w/57WA	438.6	48.31
BYK 348	4.0	0.46
Ammonium Benzoate (10%)	<u>40.0</u>	<u>4.70</u>
	996.0	87.96
Part B		
Cardolite GX 8003	44.4	5.39
Zeesphere 400	62.2	3.11
Glycol Ether PM	<u>30.6</u>	<u>4.00</u>
	137.0	12.50
Total of Part A and B	1133.0	100.46

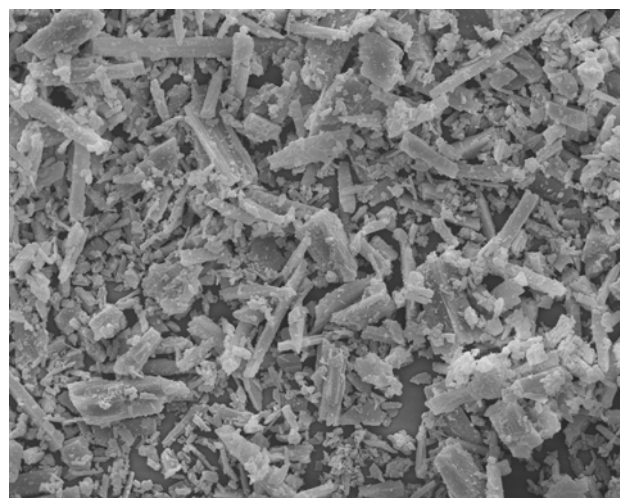
Typical Coating Constants

Total Weight Solids	62.61%
Total Volume Solids	49%
Pigment Binder Ratio	1.347 to 1
PVC	33.09%
VOC	68.91 g/l
Pounds per Gallon	0.575
Grams Per Litter	68.91



Typical Properties of Wollastonite	Value
Appearance	White
Morphology	Acicular
Molecular Weight	116
Specific Gravity	2.9
Refractive Index	1.63
pH (10% slurry)	9.9
Water Solubility (g/100cc)	0.0095
Density (lbs./cu.ft.)	181
Bulking Value (gal.lbs.)	0.0413
Mohs Hardness	4.5
Coefficient of Expansion (mm/mm/°C)	6.5 x 10 ⁻⁶
Melting Point (°C)	1540

SEM of 10 ES WOLLASTOCOAT (x1000)



10 ES WOLLASTOCOAT	Typical Values	Benefits
G. E. Brightness	93	<ul style="list-style-type: none"> • Synergistic with anti-corrosion inhibitors • Reinforces film cohesion and improves mechanical properties • Crack and chip resistance • High pH and low solubility aid paint stability • Heat stable, resistant to ultra-violet degradation and chemical attack • Non-hazardous, environmentally safe
Bulk Density		
Loose	(41) (0.65)	
Tapped	(53) (0.85)	
Oil Absorption	25	
Surface Area (m²/g)	3.2	
Microtrac D₅₀	4	
Aspect Ratio	3 :1	

This data contains general information and describes typical properties only. It is offered for use by persons qualified to determine for themselves the suitability of our products for particular purposes. No guarantee is made or liability assumed, the application of this data and the products described herein being at the sole risk of the user.

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