



ZEEMAIL



Zeeospheres® Ceramics, LLC

129 Valentine Drive, Lockport, Louisiana 70374

August 2nd, 2012

Water-Borne Anti-Corrosive Epoxy Primer Based on Beckopox EP 2384w/57WA Epoxy Resin Dispersion

After a one-month hiatus, we are back with our monthly ZeeMails! Below you will find a starting formulation for a **water-borne anti-corrosive epoxy primer** containing ZEEOSPHERES® G-400!

<u>MATERIAL</u>	<u>FUNCTION</u>	<u>POUNDS</u>	<u>GALLONS</u>
-PART A-			
Beckopox EP 2384w/57WA	Epoxy Resin Dispersion	100.0	11.01
De-ionized Water	Viscosity Reduction	52.7	6.33
Disperbyk 190	Pigment Dispersion	11.5	1.31
Additol VXW-6393	Defoamer	4.0	0.50

****Mix Well, then add:****

RO-4097 Red Iron Oxide	Prime Pigment	75.0	1.84
Halox SZP-391	Anti-Corrosive Pigment	50.0	2.14
Barium Sulfate	Extender Pigment	100.0	2.73
10ES Wollastocoat	Functional Extender	150.0	6.20
ZEEOSPHERES® G-400	Functional Extender	101.0	5.05
325 mesh WGM	Functional Extender	7.5	0.32

****HSD to a texture of 4-5 N.S., then add:****

Beckopox EP 2384w/57WA	Epoxy Resin Dispersion	338.6	37.30
BYK 348	Substrate Wetting/Flow	5.0	0.57
10% Ammonium Benzoate	Flash Rust Inhibitor	<u>40.0</u>	<u>4.70</u>
		1035.3	80.00

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- PART B -

Beckopox VEH 2188w/55WA	Water-Borne Curative	160.8	17.87
De-Ionized Water	Viscosity Reduction	<u>17.7</u>	<u>2.13</u>
TOTAL A + B		1213.8	100.00

Typical Coating Constants

Total Weight Solids	69.16%
Total Volume Solids	54.97%
P/B Ratio	1.45 to 1
PVC	33.26%
Theoretical VOC	
Pounds per Gallon	0.1435
Grams per Liter	17.212