



# Formulation

## 2K Water Based Epoxy Dispersion Primer using HALOX 430

### COMPONENT A:

<u>GRIND</u>		<u>LBS.</u>	<u>GALS.</u>	<u>% Wt/Wt.</u>
Water		25.36	3.04	2.17
Eastman PM Solvent	[1]	24.35	3.17	2.08
Dowanol PnB	[2]	24.35	3.30	2.08
Additol VXW 6208	[3]	18.26	2.08	1.56
BYK-024	[4]	1.52	0.18	0.13
Beckopox VEP 2382w/55WA	[3]	415.92	46.14	35.57

Mix well; then add:

Bayferrox 130M	[5]	73.04	1.75	6.25
<b>HALOX 430</b>		58.43	2.67	5.00
325 mesh Wet Ground Mica	[6]	8.72	0.37	0.74
Bartex 65	[7]	73.04	2.01	6.25
Zeeospheres G-400	[8]	73.04	3.65	6.25
Wollastocoat 10ES	[9]	149.69	6.19	12.80

High speed disperse to a 5+ NS Hegman grind.

Beckopox VEP 2382w/55WA	[3]	50.72	5.63	4.34
Water		43.59	5.22	3.73

### COMPONENT B:

Beckopox VEP 2188w/55WAMP	[3]	100.55	11.16	8.60
Water		28.74	3.44	2.45

Adjust to desired viscosity with water.

<b>TOTAL A &amp; B</b>		1169.32	100.00	100.00
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### FORMULA CONSTANTS

%Pigment/Wt.	37.28
%Pigment/Vol.	16.63
%Solids/Wt.	64.87
%Solids/Vol.	49.84
%PVC	34.17
VOC lbs./gal.	1.33
VOC g/L	159.05

### FORMULA PROPERTIES

Density	11.69 lbs./gal.
Density	1401.32 g/L
pH @ 25°C	9.0-9.5
Part A+B Stormer Visc. @ 25°C	100-110 KU
Mix Ratio by Volume (A:B)	5.8:1
Mix Ratio by Weight (A:B)	8:1
Pot Life	1-2 hrs.

### SUPPLIER KEY

[1]	Eastman Chemical Company
[2]	The Dow Chemical Company
[3]	UCB Surface Specialties
[4]	BYK - Chemie USA Inc.
[5]	Bayer Corporation
[6]	Oglebay Norton Specialty Mineral, Inc.
[7]	TOR Minerals International
[8]	Zeelan Industries, Inc.
[9]	Nyco Minerals, Inc.

The information contained herein is correct to the best of our knowledge, but is intended only as a source of information. The recommendations or suggestions herein are made without guarantee of representation as to results, and we suggest that you evaluate the recommendations contained in this formulation in your own laboratory prior to use.