



Formulation

2K Water Base Acrylic/Epoxy using HALOX SW-111

COMPONENT A:

<u>GRIND</u>		<u>LBS./100 GALS.</u>	<u>GRAMS/LITER</u>
<i>Add the following in order listed while mixing:</i>			
n-Methyl Pyrrolidone		30.00	36.00
Water		110.00	132.00
Tamol 681	[1]	16.50	19.80
Ammonia Hydroxide (28%)		2.90	3.48
Foamex 825	[2]	2.40	2.88
Surfynol 104 DPM	[3]	3.00	3.60

Premix the following, then add to the grind:

Water		24.00	28.80
Bentone LT	[4]	1.00	1.20
Ti-Pure R-900	[5]	59.60	71.52
HALOX SW-111		50.00	60.00
Barytes 290	[6]	123.00	147.60
Microtalc MP 2538	[7]	85.00	102.00

Add the following at high speed and disperse to 5+ NS Hegman grind.

LETDOWN

Water		88.15	105.78
Maincote AE-58	[1]	333.60	400.32

Add the grind from above:

Benzyl Alcohol		16.00	19.20
n-Methyl Pyrrolidone		15.70	18.84
TEPA	[8]	9.20	11.04
Foamex 825	[2]	1.70	2.04
HALOX FLASH-X 150		4.80	5.76
Acrysol RM 8W	[1]	3.90	4.68

COMPONENT B:

Epi-Rez 3510-W60	[9]	101.30	121.56
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TOTAL		1081.75	1298.10
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FORMULA CONSTANTS

%Pigment/Wt.	29.45
%Pigment/Vol.	10.97
%Solids/Wt.	49.71
%Solids/Vol.	34.15
%PVC	32.12
VOC lbs./gal.	1.78
VOC g/l	212.82

FORMULA PROPERTIES

Density lbs./gal.	10.82
Density g/l	1298.10
KU Visc. @ R.T.	85-90
pH @ R.T.	9.0-9.5

SUPPLIER KEY

- [1] Rohm and Haas Co.
- [2] Tego Chemie
- [3] Air Products and Chemicals, Inc.
- [4] RHEOX, Inc.
- [5] Du Pont Co.
- [6] Whitaker, Clark, & Daniels, Inc.
- [7] Pfizer
- [8] Union Carbide Corp.
- [9] Resolution Performance Products

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.

AE58/SW-111

WU-022103