



Formulation

2K Waterborne PUR based on Bayhydrol A-145/ Desmodur XP 2410 using HALOX SW-111

		<u>LBS</u>	<u>GALS</u>
<i>COMPONENT A:</i>			
<i>GRIND</i>			
Bayhydrol A 145	[1]	234.69	26.53
De-Ionized Water		54.77	6.56
Tamol 681	[2]	7.00	0.78
BYK-028	[3]	1.50	0.17
Borch Gel LW 44	[4]	1.77	0.20
Ti-Pure R-960	[5]	228.91	7.03
HALOX SW-111	[6]	33.00	1.38
<i>High speed disperse to 7+ NS Hegman grind.</i>			
Bayhydrol A 145	[1]	251.50	28.43
BYK-346	[3]	4.70	0.56
BYK-028	[3]	1.50	0.17
Tinuvin 5151	[7]	4.77	0.52
De-Ionized Water		19.81	2.37
<i>COMPONENT B:</i>			
Desmodur XP 2410	[1]	285.10	29.70
TOTAL		1,129.02	104.41

Formula Constants

Density (lb/gal)	10.81
Density (g/L)	1295.82
Weight Pigment (%)	23.20
Volume Pigment (%)	8.05
Weight Solids (%)	69.02
Volume Solids (%)	59.21
PVC (%)	27.43
VOC (lb/gal)	0.73
VOC (g/L)	87.31

Formula Properties

pH @ 25°C	8.0 - 8.5
Viscosity Part A- Stormer @ 25°C	80 - 85 KU
Pot Life	3 - 4 Hours

<i>Cure Ratio by Wt. (A:B)</i>	3:1
<i>Cure Ratio by Vol (A:B)</i>	2.5:1

Supplier Key

- [1] Bayer Corporation
- [2] Rohm and Haas
- [3] BYK - Chemie USA Inc.
- [4] Lanxess Corporation - Borchers Paint Additives
- [5] DuPont Chemicals
- [6] HALOX
- [7] Ciba Specialty Chemicals

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.

A-145 XP2410 SW-111



Water Based Polyurethane

**500 HOURS SALT SPRAY - SUBSTRATE: BLASTED HOT ROLLED STEEL
80 microns - % on total formula weight**



**3% Zinc Based Competitor
Corrosion Inhibitor**



3% HALOX SW-111