



# FORMULATION

## 2K Water Based PUR based on Bayhydrol A-145/Desmodur XP 2410 using HALOX® 430 and HALOX® 570 LS

**Component A:**

Grind		% Wt./Wt.	Class
Bayhydrol A 145	[1]	20.57	Resin
De-Ionized Water		4.80	
Tamol 681	[2]	0.62	Dispersant
BYK-028	[3]	0.14	Defoamer
Borchi Gel LW	[4]	0.15	Thickener
Ti-Pure R-960	[5]	20.07	Pigment
HALOX® 430	[6]	2.90	Corrosion Inhibitor

High Speed Disperse to a 7+ N.S. Hegman grind.

Bayhydrol A 145	[1]	22.05	Resin
BYK-346	[3]	0.41	Surfactant
BYK-028	[3]	0.13	Defoamer
Tinuvin 5151	[7]	0.42	Additive
HALOX® 570 LS	[6]	1.00	Corrosion Inhibitor
De-Ionized Water		1.74	

**Component B:**

Desmodur XP 2410	[1]	25.00	Isocyanate
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**TOTAL** 100.00

**FORMULA CONSTANTS**

Density (lb/gal)	10.79
Density (g/L)	1293.63
Weight Pigment (%)	22.97
Volume Pigment (%)	8.09
Weight Solids (%)	68.63
Volume Solids (%)	58.91
PVC (%)	27.74
VOC (lb/gal)	0.72
VOC (g/L)	86.87

**FORMULA PROPERTIES**

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

**SUPPLIER KEY**

- [1] Coverstro
- [2] DOW
- [3] BYK Chemie
- [4] OMG Borchers
- [5] DuPont Chemicals
- [6] ICL\ Advanced Additives
- [7] BASF

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**2K Water Based PUR Based on Bayhydrol A-145/Desmodur XP 2410  
using HALOX® 430 and HALOX® 570 LS  
Blasted Hot Rolled Steel - 3.5 mils. - 750 HRS. Salt Spray**



**5%  
Modified Zinc Phosphate**



**3% HALOX® 430/  
1% HALOX® 570 LS  
**ZINC FREE****