



# FORMULATION

## 2K Water-Based PUR based on Bahydrol A-145/Desmodur XP 2410 using HALOX® 430 and HALOX® 550

GRIND		<u>LBS.</u>	<u>GALS.</u>
<b>Component A</b>			
Bayhydrol A 145	[1]	214.06	24.20
De-Ionized Water		49.96	5.99
Tamol 681	[2]	6.38	0.71
BKY-028	[3]	1.37	0.16
Borchi Gel L W 44	[4]	1.61	0.18
Ti-Pure R-960	[5]	208.79	6.41
HALOX® 430	[6]	30.10	1.38
HALOX® 550	[6]	30.10	3.64

High speed disperse to 7+ NS Hegman grind.

Bayhydrol A 145	[1]	229.39	25.93
BYK-346	[3]	4.29	0.51
BYK-028	[3]	1.37	0.16
Tinuvin 5151	[7]	4.35	0.47
HALOX® 570(30% solution)	[6]	10.36	1.00
De-ionized Water		18.07	2.17

<b>Component B</b>			
Desmodur XP 2410	[1]	260.03	27.09

<b>TOTAL</b>		<u>1,070.24</u>	<u>100.00</u>
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### FORMULA CONSTANTS

Density (lb./gal.)	10.70
Density (g/L)	1282.57
% Pigment/Wt.	22.32
% Pigment/Vol.	7.79
% Solids/Wt.	66.70
% Solids/Vol.	56.76
% PVC	27.74
VOC lbs./gal.	0.82
VOC g/l	97.94

### FORMULA PROPERTIES

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

### SUPPLIER KEY

- [1] Bayer Corporation
- [2] The Dow Chemical Company
- [3] BYK Chemie
- [4] OM Group
- [5] DuPont Chemicals
- [6] HALOX®
- [7] Specialty Chemicals

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336 Hours - Salt Spray

Substrate: Cold Rolled Steel - 60 Microns D.F.T.



Control - Blank



3% HALOX® 430/3% HALOX® 550