



FORMULATION

High Gloss DTM 2K Acrylic Polyurethane based on Desmophen A 870 BA using HALOX® 430 JM

		<u>LBS.</u>	<u>GALS.</u>
Component A			
DESMOPHEN A 870 BA	[1]	403.49	46.94
Disperbyk-110	[2]	12.58	1.46
BYK-358 N		8.43	1.06
BYK-077		12.58	1.69
Ircothix 2000		36.24	4.82
Ti-Pure R-960	[3]	269.00	8.26
HALOX® 430 JM	[7]	45.60	2.02

High speed disperse to 6+ NS Hegman grind.

Tinuvin	[4]	4.40	0.53
IRGANOX 1010		4.40	0.46
Eastman EEP Solvent	[5]	77.75	9.81
MAK	[5]	37.87	5.56

Component B			
Desmodur N-3300	[6]	169.10	17.32

TOTAL		<u>1,081.44</u>	<u>99.94</u>
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FORMULA CONSTANTS

Density (lb./gal.)	10.82
Density (g/L)	1296.74
% Pigment/Wt.	29.50
% Pigment/Vol.	10.75
% Solids/Wt.	75.79
% Solids/Vol.	68.48
% PVC	37.55
VOC (lbs./gal.)	2.61
VOC (g/L)	313.17

FORMULA PROPERTIES

Viscosity Part A-Stormer	75-85 KU @ 25°C
Mix Ratio Part A:B by Volume	4.50-1

SUPPLIER KEY

- [1] BAYER MATERIAL SCIENCE
- [2] BYK - Chemie USA Inc.
- [3] DuPont Chemicals
- [4] Ciba Specialty Chemicals
- [5] Eastman Chemical Company
- [6] Bayer Corp.
- [7] HALOX®

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A 870 BA 430 JM

High Gloss Direct-to-Metal 2K Acrylic Polyurethane

750 Hours Salt Spray - Substrate: BONDERITE b-1000 p99x

2.0 mils D.F.T - % on TFW

Metal Spatula Adhesion Test



Blank
No Corrosion Inhibitor



HALOX® 430 JM @ 5%