



FORMULATION

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

		<u>WT.</u>	<u>CLASS</u>
Component A			
DESMOPHEN A 870 BA	[1]	37.31	Resin
Disperbyk-110	[2]	1.16	Dispersant
BYK-358 N		0.78	Surfactant
BYK-077		1.16	Defoamer
Ircothix 2000		3.35	Thickener
Ti-Pure R-960	[3]	24.87	Ti Dioxide
HALOX® 430 JM	[7]	4.22	Inhibitor

High speed disperse to 6+ NS Hegman grind.

Tinuvin	[4]	0.41	Additive
IRGANOX 1010		0.41	Additive
Eastman EEP Solvent	[5]	7.19	Solvent
MAK	[5]	3.50	Solvent

Component B			
Desmodur N-3300	[6]	15.64	Curing Agent

TOTAL		<u>100.00</u>	
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FORMULA CONSTANTS

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 (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 E

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%

