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

### FORMULATION

**Component A**

- DESMOPHEN A870 BA [1] 403.49 LBS. 46.94 GALS.
- BYK-358 N 8.43 LBS. 1.06 GALS.
- BYK-077 12.58 LBS. 1.69 GALS.
- Ircothix 2000 36.24 LBS. 4.82 GALS.
- Ti-Pure R-960 [3] 269.00 LBS. 8.26 GALS.
- HALOX® 430 JM [7] 45.60 LBS. 2.02 GALS.

*High speed disperse to 6+ NS Hegman grind.*

**Component B**

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

- Desmodur N-3300 [6] 169.10 LBS. 17.32 GALS.

**TOTAL**

- 1,081.44 LBS. 99.94 GALS.

### 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** 4.50-1 by Volume

### SUPPLIER KEY

[1] BAYER MATERIAL SCIENCE
[3] DuPont Chemicals
[4] Ciba Specialty Chemicals
[5] Eastman Chemical Company
[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%