



# Formulation

## Water Base Acrylic Gloss DTM using HALOX 515

		<u>LBS</u>	<u>GALS</u>
<i>GRIND</i>			
Water		60.00	7.19
Tamol 681	[1]	9.00	1.00
Drewplus T-4310	[2]	1.00	0.13
Triton CF-10	[3]	2.00	0.22
Ammonia Hydroxide (28%)		1.00	0.13
Ti-Pure R-706	[4]	205.00	6.14
<i>High speed disperse to 7+ NS Hegman grind.</i>			
<i>LETDOWN</i>			
Maincote HG-86	[1]	577.00	67.25
Water		36.00	4.31
Ammonia Hydroxide (14%)		2.00	0.27
<i>Add grind portion under agitation and mix until uniform.</i>			
Texanol	[5]	37.70	4.75
Propylene Glycol	[3]	10.00	1.15
Methanol	[6]	35.00	5.28
HALOX 515	[7]	20.10	2.27
Ammonia Hydroxide (14%)		1.30	0.17
<i>Adjust pH to 9.5 with ammonia.</i>			
Water		6.00	0.72
Acrysol RM-8W	[1]	1.00	0.12
Acrysol RM-12W	[1]	2.00	0.23
<b>TOTAL</b>		<b>1,006.10</b>	<b>101.34</b>

### Formula Constants

Density (lb/gal)	9.93
Density (g/L)	1189.73
Weight Pigment (%)	20.38
Volume Pigment (%)	6.06
Weight Solids (%)	46.28
Volume Solids (%)	34.82
PVC (%)	17.89
VOC (lb/gal)	1.86
VOC (g/L)	222.38

### Formula Properties

pH @ 25°C	9.0 - 9.5
Viscosity - Stormer (KU)	80 - 90
@ 25°C	
Viscosity - ICI (Poise) @	0.2 - 0.5
25°C	
Gloss @ 60°	78 - 82

### Supplier Key

- [1] Rohm and Haas
- [2] Ashland Nederlands bv, Drew Ameroid GmbH
- [3] The Dow Chemical Company
- [4] DuPont Chemicals
- [5] Eastman Chemical Company
- [6] Ashland Chemical Company
- [7] HALOX

*The information contained herein is correct to the best of our knowledge, but is intended only as a source of information. The recommendations or suggestions herein are made without guarantee of representation as to results, and we suggest that you evaluate the recommendations contained in this formulation in your own laboratory prior to use.*

**HG86/515**



## Water Base Acrylic Gloss DTM using HALOX 515

**336 Hours Salt Spray - Cold Rolled Steel - 2.0 mils (50 microns)**



**Blank**



**2% HALOX 515**