



# Formulation

## Waterborne Acrylic Primer using HALOX 430 and HALOX 515

<u>GRIND</u>	<u>% Wt</u>	<u>CLASS</u>	<u>SUPPLIER</u>
Water	5.70	Solvent	
Orotan 681	1.24	Dispersant	Rohm and Haas Deutschland GmbH
Dehydran 1620	0.19	Defoamer	Cognis Corporation
Triton CF-10	0.19	Surfactant	The Dow Chemical Company
Ammonia Hydroxide (28%)	0.19	Amine	
Tioxide TR92	14.31	Pigment	Huntsman Tioxide
HALOX 430	4.78	Inhibitor	HALOX
Micro Talc AT 1	3.82	Talc	Mondo Minerals
Attagel 50	0.48	Anti-Settling	Engelhard Corporation

**High speed disperse to a particle size of < 25 microns.**

<u>LETDOWN</u>			
Maincote HG-86ER	54.86	Resin	Rohm and Haas Deutschland GmbH
Water	3.42	Solvent	
Ammonia Hydroxide (14%)	0.19	Amine	

**Add grind portion under agitation and mix until uniform.**

Texanol	3.58	Coalescent	Eastman Chemical Company
Propylene Glycol	0.95	Co-Solvent	The Dow Chemical Company
Methanol	3.33	Solvent	
HALOX 515	1.91	Inhibitor	HALOX

**Premix the following ingredients, then add with good agitation.**

Water	0.57	Solvent	
Acrysol RM-8W	0.10	Rheology Modifier	Rohm and Haas Deutschland GmbH
Acrysol RM-12W	<u>0.19</u>	Rheology Modifier	Rohm and Haas Deutschland GmbH
TOTAL	100.00		

### Formula Constants

Density (g/l)	1204.78
% Weight Pigment	22.91
% Volume Pigment	8.26
% Weight Solids	48.48
% Volume Solids	36.73
% PVC	23.47
VOC (g/L)	160.80

### Formula Properties

pH@ 25°C	9.0-9.5
KU Visc. @ 25°C	90-95
ICI (poise)	0.2-0.5

*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.*



# ***HEAVY METAL FREE CORROSION INHIBITORS***

**Water Base Acrylic Latex Primer based on Maincote HG-86ER**

Salt Spray - 500 hours - Matte CRS - 50 microns - % on tfw

***SYNERGY***



**Blank Control**



**HALOX® 430 @ 5%**



**HALOX® 430 @ 5% &  
HALOX® 515 @ 1%**