



Advanced Additives



FORMULATION

HALOX® CW-314 in an Elastomeric Roof Coating

<u>GRIND</u>	<u>Control</u>		<u>15% HALOX® CW-314</u> Replacement of Calcium Carbonate		<u>10% HALOX® CW-314</u> Replacement of Calcium Carbonate & TiO ₂	
	<u>lbs/100 gal</u>	<u>% wt</u>	<u>lbs/100 gal</u>	<u>% wt</u>	<u>lbs/100 gal</u>	<u>% wt</u>
Water	130.0	11.69	163.5	14.57	180.0	16.13
Tamol 851	4.0	0.36	10.0	0.89	8.0	0.72
Propylene Glycol	6.0	0.54	6.0	0.53	6.0	0.54
DEE FO 1015	1.0	0.09	1.0	0.09	1.0	0.09
KTPP	1.0	0.09	1.0	0.09	1.0	0.09
Zoco 101	30.0	2.70	30.0	2.67	30.0	2.69
Ti-Pure R-960	50.0	4.50	50.0	4.46	40.0	3.58
HALOX® CW-314	0.0	0.00	168.0	14.98	117.0	10.49
HUBERCARB G3	270.0	24.29	109.7	9.78	164.5	14.74
Water	20.0	1.80	20.0	1.78	20.0	1.79
 <u>LETDOWN</u>						
Rhoplex EC- 2885	504.0	45.34	504.0	44.93	504.0	45.17
Texanol	6.5	0.58	6.5	0.58	6.5	0.58
Add grind portion under agitation and mix until uniform.						
DEE FO 1015	6.0	0.54	6.0	0.53	6.0	0.54
Premix the following, then add to above under agitation.						
Water	75.2	6.76	40.0	3.57	25.9	2.32
Natrosol 250 H4BR PA	5.0	0.45	3.0	0.27	3.0	0.27
Mix well for 10 minutes.						
Ammonia Hydroxide (28%)	3.0	0.27	3.0	0.27	3.0	0.27
TOTAL	1111.70	100.00	1121.73	100.00	1115.87	100.00

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HALOX® CW-314 in an Elastomeric Roof Coating

Description	<u>Control</u>	<u>15% HALOX CW-314</u>	<u>10% HALOX CW-314</u>
% Solids/wt	56.8	57.1	56.9
PVC	34.4	34.4	34.4
VOC g/l	22	22	22
Density lbs/gal	11.12	11.22	11.16
<i>Initial</i>			
Solar Reflectance (ASTM C1549)	0.826	0.848	0.829
Thermal Emittance (ASTM C1371)	0.89	0.90	0.91
<i>After ASTM G155 accelerated weathering (1,000h)</i>			
Solar Reflectance (ASTM C1549)	0.820	0.844	0.827
Thermal Emittance (ASTM C1371)	0.90	0.92	0.92
<i>after ASTM D7897 "soiling"</i>			
Solar Reflectance (ASTM C1549)	0.792	0.823	0.792
Thermal Emittance (ASTM C1371)	0.90	0.90	0.90
<i>Low temperature flexibility ASTM D6083/D522</i>			
Initial	Pass	Pass	Pass
After ASTM G155 accelerated weathering (1,000h)	Pass	Pass	Pass

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