

## Chemical Content

Harland Associates Research Lab in San Francisco, CA, reports Ceramic Cover CC Systems 100 as having 0 (zero) grams of volatile organic compounds, (VOC's) less water per liter, and "is a compliant coating with regard to VOC content requirement of the Bay Area, Air Quality Management District," one of the strictly controlled air quality management districts in the United States. Ceramic Cover CC Systems 100 contains no solvents or hazardous chemical elements such as fluorides, chlorines or iodine. An analytical testing laboratory, tested the chemical compound of Ceramic Cover CC Systems 100 for chlorides and halogens with excellent results.

A large number of test at independent research institutes and laboratories have been carried out and reports are available from Envirotrol, Inc.

<b>PHYSICAL PROPERTIES</b>	<b>RESULTS</b>	<b>TEST METHOD</b>
Accelerated Aging:	PASSED	
	200 HOURS	ASTM G-53
	1347 HOURS	ASTM D-5894
Moisture vapor barrier (Action Testing)	PASSED	ASTM D-1653
Water vapor transmission ( Corrosion Probe)	PASSED	ASTM E-96 D4708
Thermal Conductivity (OCM Test Lab)		ASTM C-158
Thermal Resistance (Action Testing)		ASTM C-177-85
Pull-Off Strength (Corrosion Probe)	PASSED 250psi	ASTM D-4541
Radiant Heat Barrier	REFLECTS 99.61% UV Rays	GA TECH
Surface Flammability of Bulkhead	PASSED	UL IMO A 653(A)
Density (g/cm <sup>3</sup> ) at 24C Dried Film	0.41	ASTM D-792
Weight Per Gallon	5.94	
Weight Non-Volatiles	43%	
Brookfield Viscosity #3 Spindle @ 30 RPM, Centipoise	3564	
USDA	COMPLIANT	
FDA	COMPLIANT	
Generic Type:	Emulsion Filled with amorphous silica	
Colors:	White (Can be tinted) w/universal tint	
Finish:	Flat	
Volume Solids:	87% (wet to dry ration 1:1)	
V.O.C.	0 g / litre - 0 lbs / US gallon	
Typical specifications: Depends on required temperature reduction. Normally 1 - 6 coats each 500 microns / 20 mils. See Delta T Chart on page 2.		
<b>MECHANICAL PROPERTIES</b>	<b>RESULTS</b>	<b>TEST METHOD</b>
Cross Hatch Adhesion	100%	ASTM D-03359
Tensile Strength (LB/IN <sup>2</sup> )	66.7%	ASTM D-882
Elongation	65%	
<b>Chloride less than 25ppms</b>		
Analytical	Water Soluble Chloride C1 mg/kg (ppm)	Total Halogen TX mg/kg (ppm)
Lab Code	As-Rec'd Basis	As-Rec'd Basis
6379	22.5	5800
63749D	19.1	8800