

CERTIFICATION REQUIREMENTS	CRRCCool Roof Rating Council	California Title 24, Part 6	LEED	Energy Star	ASTM D6083	C402 RESULT CONVENTIONAL	C403 RESULT CERAMIC FILLED
Solar Reflectance ASTM E903, E1918, C1549, CRRCC#1	0.7	0.64	0.78	0.65		0.85	0.89
Maintenance of Solar Reflectance ASTM E1918	.55 AFTER 3 YEARS	0.55 AFTER 3 YEARS		.50 AFTER 3 YEARS		TESTING BEING COMPLETED AT ATLAS WEATHERING, WILL SELF CERTIFY FOR ENERGY STAR	TESTING BEING COMPLETED AT ATLAS WEATHERING, WILL SELF CERTIFY FOR ENERGY STAR
Thermal Emittance C1371	0.75	0.75		0.75		0.91	0.89
Elongation - Initial D2370		100%				136	156
Elongation - Initial Cold Temp D2370-98 or D522-93A		60% OR 1" MANDRELL				pass	pass
Tensile Strength - Initial ASTM D2370-98		100 PSI				248	176
Tensile Strength - Initial Cold Temp D2370-98 or D522-93A		200 PSI OR 1" MANDRELL				pass	pass
Elongation - After 1000 hours weathering D2370-98		100%				104	103
Elongation - Cold Temp After 1000 hours weathering D2370-98		40% OR 1" MANDRELL				pass	pass
Permeance ASTM 1653-03		50 MAX				19.5	17.7
Accelerated Weathering - 1000 Hours ASTM D4798		NO CRACKING OR CHECKING				pass	pass
Viscosity intial					85-141	119	136
Viscosity after 30 days					85-141	119	136
Weight Solids					>60%	65.7	55.9
Volume Solids					>50%	52.7	54
Tensile strength					200 psi	248	176
Elongation					100%	136	156
Tensile strength after 1000 hr						238	297
Elongation after 1000 hr					100%	104	103
Tear resistance					>60 lbf/in	75.6	76.5
Permeance					50 max	19.5	17.7
Water swelling					20% max	8.9	19
Low temp flex after 100 hours 1/2" mandrell					pass	pass	pass
Film apperance after 1000 hr					no cracking or checking	pass	pass