



June 3, 2008

## LEED Credit Impacted by the use BaySystems Products

### Sustainable Sites --- SS Credit 7.2 (1 point)

**Requirements:** Use roofing materials having a Solar Reflectance Index (SRI) equal to or greater than the values in the table below for a minimum of 75% of the roof surface. The Solar Reflectance Index (SRI) is a measure of the roof's ability to reflect solar heat.

Roof Type	Roof Slope	SRI
Low-Sloped Roof	≤ 2:12	78
Steep Sloped Roof	> 2:12	29

The table below shows BaySystems products that qualify for the Leed Point provided in section 7.2 heat Island Effect-Roof. Also included for comparison of the reflectivity of the BSNA products, are the three year aged data where available.

Product			Initial			3yr		
Brand	Model	Type	Solar reflect.	Thermal Emitance	SRI	Solar reflect.	Thermal Emitance	SRI
Evercoat	White HR	Field-Applied Coating	0.82	0.9	103	0.81	0.93	102
Evercoat	White HR	Field-Applied Coating	0.83	0.89	104	0.79	0.95	99
Evercoat	Ivory HR	Field-Applied Coating	0.77	0.86	95	0.75	0.94	94
Evercoat	Grey HR	Field-Applied Coating	0.69	0.87	84	0.66	0.95	81
Evercoat	Tan HR	Field-Applied Coating	0.7	0.86	85	0.69	0.92	85
Evercoat	EC700	Field-Applied Coating	0.86	0.90	109	pending	pending	pending
Evercoat	EC800	Field-Applied Coating	0.85	0.90	107	pending	pending	pending
Eversil	580	Field-Applied Coating	0.77	0.85	95	pending	pending	pending
Evercoat	EC 500 White/20lbs/sq 11BWDF	Field-Applied Coating	0.77	0.99	97	pending	pending	pending
Evercoat	EC 500 White/35lbs/sq 11BWDF	Field-Applied Coating	0.71	0.98	89	pending	pending	pending
Evercoat	EC 500 White/25lbs/sq 11BWDF	Field-Applied Coating	0.75	0.99	95	pending	pending	pending

Sources:

- 1) CRRC Test Data for BaySystems North America ([www.coolroofs.org](http://www.coolroofs.org)).
- 2) SRI Calculated using: LEED - NC Submittal Template (Version Date: March 2006).