

Results: All measurements were conducted at controlled laboratory conditions of 72±3 °F and 50 ± 5 %RH.

Reflectance

Specimen	Test Method	N	Avg.	Std. Dev.
Solar Reflectance at air mass = 1.5	ASTM C 1549			
Red		3	0.289	0.003

Note: Reflectance measurements were conducted using a Devices and Services SSR-ER Version 5.0 Reflectometer calibrated with Devices and Services Reference Standard: 0.807.

Emittance

Specimen	Test Method	1	2	Avg.	Std. Dev.
Emittance	ASTM C 1371				
Red		0.91	0.90	0.91	0.028

Note: Emittance measurements were conducted using a Devices and Services Emisometer Model AE calibrated with Devices and Services Reference Standards: High Emittance: 0.90 and Low Emittance: 0.06.

Solar Reflectance Index (SRI)

Vitriturf - Red


Reflectance (a) 0.29
 Emittance (ε) 0.91
 Absorptance (α) 0.71

Low-Wind Condition	
$h_c = 5 \text{ W/m}^2 \cdot \text{K}$	
$C_{\text{low-wind}}$	0.691
SRI_{low-wind}	31

Medium-Wind Condition	
$h_c = 12 \text{ W/m}^2 \cdot \text{K}$	
$C_{\text{medium-wind}}$	0.689
SRI_{medium-wind}	31

High-Wind Condition	
$h_c = 30 \text{ W/m}^2 \cdot \text{K}$	
$C_{\text{high-wind}}$	0.687
SRI_{high-wind}	31

The Solar Reflectance Index of this material was calculated in accordance with **ASTM E 1980: Standard Practice for Calculating Solar Reflectance Index of Horizontal and Low-Sloped Opaque Surfaces**. The laboratory test results presented in this report are representative of the material supplied.

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Report Issue History:

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Original	12/28/2011	3	NA

END OF REPORT

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