

Solar Reflective Index of Pecora Deck 800 Series and HB1000 Polyurethane Deck Coating Technical Bulletin PEC 185

Pecora Deck 800 Series (535) Stone Grey Top Coat and HB1000 High Build Coating were tested for Solar Reflectance and Emittance per ASTM C1549 and C1371 guidelines, respectively. Solar Reflective Index was calculated utilizing ASTM E1980 procedures. The following results were obtained:

Material ID	ASTM Test Method	Solar Reflectance, (r) Air Mass = 1.5			
		Sample #			AVG
Stone Grey Panels	C1549	1	2	3	
		0.281	0.281	0.281	0.28

Material ID	ASTM Test Method	Emittance, ϵ			
		Sample #			AVG
Stone Grey Panels	C1371	1	2	3	
		0.89	0.89	0.89	0.89

Room Temp, 22°C RH 50% Emittance High: 0.90 Emittance Low: 0.06

Solar Reflective Index (SRI) per ASTM E1980 = 29 (medium wind condition)

