

Solar Reflective Index - Architectural

Solar Reflective Index (SRI) is simply a mathematical formula, using the two experimentally derived coefficients, solar reflectance and thermal emittance, to generate a single number. Solar Reflectance is a percentage of sunlight that is reflected by a surface when it is "hit" by sunlight. A value of 0 indicates that the material absorbs all solar energy and a value of 1.0 indicates total reflectance. Aged solar reflectance is the solar reflectance of the surface after three years, which, typically is lower than the initial reflectance value. According to LEED® v4, Aged SRI and SR are optional requirements. This report has no three-year aged value, use materials that meet the initial SR and SRI requirements.

LEED® v4	Initial SRI	3 year aged SRI	Initial Solar Reflectance	3-year aged Solar Reflectance
Non-Roof Applications	-	-	0.33	0.28
Roof Top Application (if Low Sloped Roof ≤ 2:12)	82	64	-	-
Parking Under Cover	39	32	-	-

Product	Colour	Smooth		Granitech	
		Solar Reflectance Index (SRI)	Solar Reflectance (SR)	Solar Reflectance Index (SRI)	Solar Reflectance (SR)
AQUAPAVE Paver	Grey	29	0.29	-	-
BOULEVARD Paver VERTEX Paver	Cinder Grey	21	0.23	34	0.32
	Charcoal	22	0.23	19	0.21
	Black ETX	5	0.10	-	-
	Red	26	0.26	19	0.21
	Light Grey	43	0.39	65	0.56
	Beige Grey	39	0.37	47	0.42
	Beige	41	0.38	41	0.37
	White	67	0.57	69	0.59
PALEO-TEC Paver	Brown	21	0.22	N/A	N/A
	Light Grey	43	0.39	-	-
	Norvick Grey	22	0.22	-	-
	Rockland Black	11	0.15	-	-
TURFSTONE Paver	Range Brownstone Red	14	0.17	-	-
	Grey	29	0.29	-	-
SMARTCAST REFLECT Slab	White	78	0.66	-	-
URBAN Slab	White	67	0.57	-	-
	Beige Grey	39	0.37	-	-
	Cinder Grey	21	0.23	-	-
	Light Grey	43	0.39	-	-
	Range Bayona Grey	11	0.14	-	-
VERSAILLES Paver	Alpine Grey	-	-	31	0.33
	Trenton Grey	-	-	21	0.25

- : Not available at time of fabrication

N/A : Value not available

The SR and SRI values above are from independent laboratories.

The Turfstone Paver SRI is only applicable to the concrete paver colour prior to the installation.