

Solar Reflective Index

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 & SR are optional requirements. This report has no three-year aged value, use materials that meet the initial SR & 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	Solar Reflectance Index (SRI)	Solar Reflectance (SR)
CASSARA MELVILLE Pavers and Slabs	Amber Beige	37	0.37
	Margaux Beige	31	0.32
	Blizzard	58	0.51
	Gris	29	0.29
	Bayona Grey	11	0.14
	Chambord Grey	N/A	N/A
	Shaded Grey	20	0.22
	Newport Grey	13	0.18
	Norvick Grey	18	0.20
	Scandina Grey	32	0.32
Rockland Black	2	0.07	
CITY Slab	Cameo Beige	60	0.54
	Alpine Grey	46	0.43
	Sterling Grey	29	0.29
ESBELTO MELVILLE Pavers and Slabs Textureguard	Hickory	12	0.15
	Marbella	20	0.22
	Silverstone	19	0.21
KENSINGTON Mix Paver	Ash Grey	32	0.31
	Canyon Grey	25	0.25
	Desert Grey	24	0.24
	Granite Blend	14	0.17
KENSINGTON Rectangle Paver	Sierra Black	N/A	N/A
KENSINGTON SMOOTH Mix Paver	Ash Grey	31	0.31
	Canyon Grey	14	0.17
	Desert Grey	19	0.21
	Granite Blend	16	0.19
KENSINGTON SMOOTH Rectangle Paver	Sierra Black	N/A	N/A

Product	Colour	Solar Reflectance Index (SRI)	Solar Reflectance (SR)
LEXA Paver and Slab	Alpine Grey	44	0.41
	Sterling Grey	28	0.29
METRIK Slab	Blizzard	58	0.51
	Bayona Grey	11	0.14
	Rockland Black	2	0.07
MONDRIAN PLUS Paver and Slab	Amboise Beige	27	0.29
	Margaux Beige	11	0.17
	Newport Grey	9	0.15
	Norvick Grey	26	0.25
	Scandina Grey	25	0.27
Rockland Black	N/A	N/A	
PALEO PLUS Paver	Beige Bourbon	23	0.24
	Norvick Grey	18	0.20
ROSEBEL Slab	Amboise Beige	29	0.29
	Margaux Beige	18	0.20
	Newport Grey	14	0.17
	Norvick Grey	17	0.19
TRAFALGAR Paver	Amboise Beige	25	0.26
	Margaux Beige	29	0.29
	Newport Grey	9	0.13
	Norvick Grey	17	0.20
	Rockland Black	N/A	N/A
VENDOME Paver	Amboise Beige	24	0.25
	Margaux Beige	28	0.29
	Newport Grey	12	0.15
	Rockland Black	4	0.08

- : Not available at time of manufacture

N/A: Value not available

The SR and SRI values above are from independent laboratories.