

# Coloured Concrete Light and Solar Reflectance

Geostone®



**Light Reflectance Value (LRV)** measures the amount of visible and usable light that reflects from or absorbs into a specific surface. Simply put, LRV measures the percentage of light a surface color reflects. A higher LRV means a brighter, lighter surface, while lower values create richer, deeper tones. By using this data, you can select a colour that complements your design vision while meeting lighting and compliance requirements.



This information is intended to be used as a guide. The LRV data has been obtained from measurements on small, laboratory manufactured concrete samples. SRI values have been calculated using a method approved by Green Building Council Australia (GBCA), and include a 10% uncertainty factor. A selection of colours have been lab tested to gain SRI values, which have been plotted against the product's known LRV value. The SRI values of untested products have been calculated by linearly interpolating the relationship between LRV and SRI values from the tested samples. Please note that the use of sealers can impact the LRV and SRI values.



**Solar Reflectance Index (SRI)** is a measure of the solar reflectance and emissivity of materials that can be used as an indicator of how hot they are likely to become when exposed to the sun. The higher the SRI number, the cooler the surface stays under the sun, the lower the number the hotter the surface. This helps you choose colours that not only look stunning but also enhance comfort and sustainability for outdoor spaces like pathways, driveways, and pool surrounds.

Colour Name	LRV Rough Brushed Surface		LRV Smooth Off-Form		SRI SRI	SRI SRI
	Dry	Wet	Dry	Wet		
Arctic	49.89	31.88	31.42	47.34		
Arizona	26.51	26.51	27.22	12.99		
Aztec	24.18	11.29	10	20.78		
Black	15.09	6.27	12.13	5.37		
Black Knight	16.39	6.94	6.02	17.37		
Black Velvet	10.92	10.92	4.68	11.01		
Bluestone	17.05	17.05	6.16	16.64		
Cappuccino	24.22	24.22	12.21	25.34		
Cargo	34.64	34.64	18.38	35.71		
Caribbean Blue	-	-	-	-	-	-
Charcoal	13.42	13.42	15.19	5.85		
Colonial Red	20.74	11.28	10.18	18.25		
Desert Red	15.44	15.44	9.47	15.82		
Dolomite	44.1	25.18	27.16	45.19		
Emperor	13.64	6.02	4.84	11.25		
Everglade	34.29	34.29	28.01	12.43		
Flint	24.66	24.66	9.27	23.03		
Fremantle	40.49	21.49	20.3	38.68		

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Colour Name	LRV Rough Brushed Surface		LRV Smooth Off-Form		SRI SRI	SRI SRI
	Dry	Wet	Dry	Wet		
Frost	48.47	27.62	27.12	45.32		
Ginger	21.79	21.79	10.34	21.69		
Havana	13.53	13.53	5.82	11.41		
Horizon	36.28	17.26	16.28	31.54		
Jabiru	14.21	6.73	6.24	12.44		
Jet Black	9.76	5.6	5.49	11.03		
Leaf Green	33.39	15.18	27.57	13.32		
Limestone	24.81	42.55	24.35	41.89		
Marl	11.11	21.1	10.59	21.49		
Onyx	19.53	7.52	5.95	14.41		
Papyrus	14.31	30.91	11.49	27.73		
Peppercorn	9.58	23.04	7.81	18.29		
Platinum	11.79	27.22	9.97	23.13		
Pumice	34.22	15.02	13.22	32.82		
Pumpkin	14.08	26.96	13.98	27.25		
Ravine	9.43	22.53	8.15	19.69		
Red Rock	12.93	7.51	7.34	14.57		
Sandstone	33.76	17.57	17.04	32.34		
Sepia	31.15	10	9.82	20.82		
Shadow	20.84	8.28	7.52	22.64		
Silk	30.98	47.43	33.82	47.37		
Silver	36.61	17.18	14.12	29.41		
Soapstone	35.05	19.15	19.57	36.62		
Spice	13.59	25.14	12.62	23.29		
Suede	16.15	31.61	15.91	30.64		
Taupe	10.68	22.5	9.25	21.04		
Terracotta	24.01	13.77	12.95	22.27		
Turmeric	18.32	36.33	35.92	18.22		
Venetian	9.05	20.15	7.45	15.34		
Vesuvius	21.94	12.42	11.15	18.83		
ECOPact concrete	32.13	13.59	39.4	19.18	44.6	64

To request a quote or find further information,  
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