



LRV - LIGHT REFLECTANCE VALUES

Light Reflectance Value (LRV) is a measurement of the light that is reflected from a surface when illuminated by a light source. It is expressed as a number (or percentage value) of 1-100, the higher the number, the more reflective the surface. In theory an LRV of 0 is an absolute black, and 100 a perfectly reflective white - however in reality these values don't exist; a very dark black would have LRV around 5 and a very reflective white would be around 85. LRV is a number value for contrast; a measure of how much usable light a certain material will reflect.

LRV also acts as an important safety guideline as a measure of glare or reflectivity for exterior finishings. This is becoming increasingly common in urban settings where a maximum LRV for external façades on new developments is specified to minimise glare for motorists and pedestrians. In Australia. Dark, matt and/or textured surfaces absorb a lot of light and have low light reflectance values. Light, glossy and/or smooth surfaces reflect more of the light that falls on them and have higher light reflectance values. A colour with a light reflectance value of 60 (which means it reflects 60% of the light that falls on it) will reflect more light, than a colour with a light reflectance value of 30 (which means it reflects 30% of the light that falls on it).

Measuring LRV, common tests for determining LRV, BS 8493-2008 + A1-2010, specifies the use of a spherical spectrometer in the test. The spherical spectrometer allows accurate measurements from almost infinite angles of reflection and is used at no fewer than nine points across a sample of at least 450mm x 450mm.



COLOUR	SURFACE FINISH	LRV CLASSIFICATION
Ash ECO	Smooth Finish	61.2
	Exposed Finish	52.1
	Refined/Polished Finish	57.7
Auburn ECO	Smooth Finish	30.7
	Exposed Finish	34.6
	Refined/Polished Finish	33.2
Dune	Smooth Finish	36.1
	Exposed Finish	39.7
	Refined/Polished Finish	38.0
Ebony ECO	Smooth Finish	28.7
	Exposed Finish	29.9
	Refined/Polished Finish	29.2
Graphite	Smooth Finish	19.0
	Exposed Finish	21.0
	Refined/Polished Finish	20.2
Limestone	Smooth Finish	50.7
	Exposed Finish	42.9
	Refined/Polished Finish	44.6
Mist ECO	Smooth Finish	55.7
	Exposed Finish	45.4
	Refined/Polished Finish	49.3
Mocca	Smooth Finish	20.7
	Exposed Finish	22.6
	Refined/Polished Finish	21.5
Pearl ECO	Smooth Finish	67.7
	Exposed Finish	64.0
	Refined/Polished Finish	65.2
Pewter ECO	Smooth Finish	34.5
	Exposed Finish	37.9
	Refined/Polished Finish	38.8
Platinum ECO	Smooth Finish	58.7
	Exposed Finish	50.7
	Refined/Polished Finish	53.8
Pontville ECO	Smooth Finish	29.7
	Exposed Finish	33.4
	Refined/Polished Finish	31.8
Pure White	Smooth Finish	69.4
	Exposed Finish	62.2
	Refined/Polished Finish	64.5
Storm Grey ECO	Smooth Finish	33.7
	Exposed Finish	34.9
	Refined/Polished Finish	35.1
Taupe	Smooth Finish	39.6
	Exposed Finish	44.0
	Refined/Polished Finish	42.6
Walnut ECO	Smooth Finish	30.1
	Exposed Finish	35.0
	Refined/Polished Finish	33.6
Whisper White ECO	Smooth Finish	63.3
	Exposed Finish	52.7
	Refined/Polished Finish	56.1



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