

Light Reflectance Value - LRV

A colour's **Light Reflectance Value** (LRV) measures the amount of visible and usable light that reflects from (or absorbs into) a painted surface.

Simply put, LRV measures the percentage of light a paint colour reflects. LRV is measured on a scale that ranges from zero (absolute black, absorbing all light and heat) to 100 percent (pure white, reflecting all light).

LRV values are required when calculating Luminance Contrast to comply with AS1428.1.

For more information on LRV, visit:
<https://thelandofcolor.com/lrv-light-reflectance-value-of-paint-colors/>

Disclaimer: The Light Reflectance Values have been shown to assist with design and designers. There are significant environmental benefits attributed to light colour roofs so selecting a colour solely on reflectivity is not a sound environmental policy; the best performing roofs for reflectivity are the darker colours in the spectrum.

COLOUR	LRV
Freycinet™	84
Hotham™	84
Coorong™	83
Hellfire™	79
Vivonne™	75
Cocky Moleskins™	68
Exmouth™	52
Gairdner™	43
Jenolan™	43
Windjana™	37
Cable Grey™	30
Ningaloo™	26
Kooljaman™	23
Broome™	21
Inna-bloody-mincka	21
Oona-wup-up™	20
Ben Lomond™	17
Grey Nomad™	16
Melaleuca™	16
Arkaroola™	15
Grampians™	14
Fingal™	13
Alice Red™	12
Kingsford Grey™	10
Gibber™	9
Wilpena™	9
Lockyer™	9
Kuranda™	8
Kalkajaka™	8
Surat™	5

Total Solar Reflectance - TSR

Total Solar Reflectance (TSR) refers to the method of measuring a surface coating's reflective capability.

TSR is usually displayed as a percentage between 0% and 100%. If the percentage is a higher number, that means the surface is more effective at reflecting the radiation from the sun.

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COLOUR	TSR
Freycinet™	77
Coorong™	76
Hotham™	76
Hellfire™	74
Vivonne™	71
Cocky Moleskins™	69
Exmouth™	58
Gairdner™	54
Jenolan™	52
Windjana™	47
Kooljaman™	45
Cable Grey™	41
Ningaloo™	37
Arkaroola™	36
Broome™	36
Inna-bloody-mincka™	35
Alice Red™	33
Ben Lomond™	33
Oona-wup-wup™	33
Grey Nomad™	32
Melaleuca™	32
Fingal™	27
Gibber™	27
Grampians™	27
Lockyer™	27
Kingsford Grey™	26
Wilpena™	26
Kalkajaka™	22
Kuranda™	22
Surat™	5

Solar Reflective Index - SRI

SRI is a scale from 0 to 100 on which materials that absorb and retain solar radiation (and so become hotter in sunshine) have a lower number, whilst highly reflective materials (which remain cooler in sunshine) have a higher number.

The selection of materials with a high SRI can reduce indirect solar gain in buildings and reduce the urban heat island effect. For example, metal roofs finished with a high SRI coating will have a lower temperature under sunny conditions compared to a similar, uncoated metal roof. However, effective solar design is more complicated than simply selecting high SRI materials, as in cooler locations solar gain may actually be desirable.

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COLOUR	SRI
Freycinet™	95
Hotham™	94
Coorong™	93
Hellfire™	91
Vivonne™	86
Cocky Moleskins™	83
Exmouth™	68
Gairdner™	62
Jenolan™	60
Windjana™	53
Kooljaman™	51
Cable Grey™	44
Ningaloo™	39
Arkaroola™	38
Broome™	38
Inna-bloody-mincka™	37
Oona-wup-wup™	35
Alice Red™	34
Ben Lomond™	34
Melaleuca™	33
Grey Nomad™	32
Fingal™	27
Gibber™	27
Grampians™	27
Kingsford Grey™	25
Lockyer™	25
Wilpena™	24
Kalkajaka™	19
Kuranda™	19
Surat™	0



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