

LRV – Light Reflectance Value

What is LRV?

Used to describe how light or dark a colour is (it is actually a measure of how much light is reflected by a surface of that colour). LRV works on a black (0%) to white basis (100%) – the higher the LRV, the lighter the colour.

Why is it Important?

Colours with low LRV (i.e. black) absorb the light energy and convert this to heat. If the heat cannot dissipate then the coating will heat up to very high temperatures. This can break down the coating over a much shorter time span. It can also lead to thermal expansion in some board systems (i.e. fibre cement). This can create issues at joints like peaking/cracking and at corners with beads breaking away from the render.

What are the Rockcote Limits?

Substrate	LRV Limitations?	LRV Minimum*
AAC Panel	No	
AFS Logicwall	Yes	25%
Blueboard Fibre Cement Sheeting	Yes	40%
Brick & Block	No	
Expanded Polystyrene (EPS) Panels or Blocks	Yes	40%
Extruded Polystyrene (XPS)	Yes	40%
Magnesium Board (MGO)	Yes	40%
Off-Form Concrete	No	
Pre-Meshed EPS	Yes	40%
Ritek XL	Yes	25%
Tilt-Up Pre-Cast Panel	No	

**ROCKCOTE will not warrant the use of colours with a LRV (Light Reflectance Value) of less than this percentage over the specified substrate.*

Where Can I Find the LRV Number?

The Rockcote 810 database has the LRV for every colour on this particular database.

If not listed then contact Rockcote and the LRV can be determined using a spectrometer or even other customers information on the web.

What Happens if I use a LRV Number outside a system specification?

Rockcote will not offer a full warranty.

For further information, please see the link below:

<http://www.icipaints.co.uk/colours/duluxtrade/palette/notation.jsp>