

# ***Report***

## ***Light Reflectance Value***

### **What is Light Reflectance Value (LRV)?**

Light Reflectance Value (LRV) is the total quantity of visible light reflected by a surface, e.g. floorings, ceilings, walls and furniture, at all wavelengths and directions when illuminated by a light source.

The LRV scale runs from 0, which is a perfectly absorbing surface that could be assumed to be totally black, up to 100, which is a perfectly reflective surface that could be considered to be the perfect white. Because of practical influences in any application, black is always greater than 0 and white never equals 100. Additional to colour, the structure and gloss of the product or surface are determining factors for LRV.

The LRV value is directly measured according to British Standard 8493:2008 'Light Reflectance Value (LRV) of a surface'.

The L\*-value (colour depth) is sometimes being used to calculate visual contrast, but should not be mixed up with the LRV as it is significantly higher. However, the L\*-value can be used to calculate the LRV of a surface (also referred to as the 'ρ-value' (rho)), as a close approximation of the directly measured LRV according to BS 8493.

Formula:  $\rho(\rho) = 100 \times ((L+16)/116)^3$

Product name: **DESSO Essence Roots**

Results:

Colour	L*	LRV	Colour	L*	LRV
2032	52.17	20.30	7803	46.63	15.74
2085	54.74	22.68	8913	43.56	13.54
2088	39.13	10.73	9513	45.16	14.66
5412	53.95	21.93	9532	41.57	12.22
6322	52.39	20.49	9851	25.91	4.72
7284	52.65	20.73	9961	51.69	19.87

Measurements tool/equipment/conditions:

- standard illuminant CIE D65
- 10° standard colorimetric observer
- 100% UV
- specular component included
- aperture: large

**For more information on LRV in general and test results per product, visit [www.tarkett.com](http://www.tarkett.com)**