

Report: Light Reflectance Values (LRV) LRV (CIE Y-VALUE)

Test date: 2023-02-16

Test method

The measurements were made on an X-rite spectrophotometer, Ci7600, an integrating sphere instrument with double beam architecture and pulsed xenon light source. The instrument is calibrated with a white standard whose values are directly traceable.

The test procedure meets the requirements of BS.8493:2008+A1:2010.

Four measurements were taken at right angles to each other on the flat surface of each sample

Test samples

32 samples, size: 150x150 mm, one sample for each floor type.

Results

Results are given as light reflectance values (LRV) (specular reflectance included) in Table 1.

Light reflectance value is a value that simplifies the % reflectance data into a value that represents the total "the contrast" - called LRV - and LRV corresponds to CIE Y10.

This is usually presented as a reading on a scale from 0 (black) to 100 (white)

LRV is given for D65/10°. D65 represents natural light illumination, while 10 degrees represents a large field of view.

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LRV (CIE Y-VALUE)**

Table 1: Light reflectance values for samples

Customer's label / product description	Average LRV	
PL087C	Village Oak Cream	43,5
PL092C	Fashion Oak Cream	42,2
S-063	Black Concrete	9,9
S-334	Washed Concrete	18,6
S-411	Grey Waterstone	13,9
S-412	Black Waterstone	8,6
S-509	Concrete Galet	10,6
S-553	Grey Steel	11,8
S-665	Light Concrete	33,9
T-03299	Terazzo Roma	19,7
T-11043	Terazzo Toscana	41,2
T-31043	Terazzo Verona	54,7
W-019	Rustic Octon	27,2
W-058	Misty Oak	11,4
W-068	Onyx Oak	9,3
W-078	Camel Oak	16,5
W-088	Sepia Oak	15,9
W-098	Vintage Oak	26,2
W-105	Classic Oak	20,4
W-106	Nature Oak	26,1
W-107	Dark Oak	8,1
W-108	Antique Oak	22,7
W-110	Macchiato Oak	31,3
W-137	Sherwood Oak	27,7
W-151	Select Oak	32,6
W-193	Stratford Oak	42,6
W-195	Devon Oak	22,5
W-196	Durban Oak	13,3
W-316	Black Oak	7,3
W-351	Bleached Oak	39,4
W-389	Rustic Tally Oak	12,3
W-802	Honey Oak	21,7

The above LRV values are the average of 4 measurements at different points on the flat surface of each sample

The results in this test report can be tracked.

Test report number (Innova/LRV: T001-23/02/14) issued by Innova Nordic AB.