

Herning 26.07.2022

ege testcertificate

Subject:	Light Reflectance
Reference No.:	1937
Reference:	Eco Compact
Description of sample:	Standard colors
Testing atmosphere	Unless otherwise specified the sample has been conditioned and tested, where appropriate, in the standard atmosphere for conditioning and testing textiles EN ISO 139:2005 of 65 ± 4 % R.H. and 20 ± 2 °C.

Background

LRV is an instrumental measurement made using a spectrophotometer.

It is equivalent to CIE Y and is the proportion of visible light reflected by a surface, weighted for the sensitivity to light of the human eye.

LRV is expressed on a scale of 0-100 where absolute white has a value of 100 and absolute black has a value of 0. In practice white may be about 85 and black about 6.

For people with adequate vision, difference in hue or chroma (colour intensity), provide sufficient visual contrast. But for people who are visually impaired the main feature of a surface which determines the ability to identify differences in colour is the amount of light the surface reflects, or it's LRV.

Test procedure

The light reflectance value for the sample was determined using a Chroma Meter reflectance spectrophotometer with a large area CR-410 measuring head.

The sample was subjected to measurements and viewed at 0° with illuminant C. The light reflectance was determined using CIE Y, according to BS 8493:2008.

Test results CIE Y :

Eco Compact Broadloom

Color ref	Result	Color ref	Result
0909110	11,30	0909545	10,92
0909120	10,98	0909550	9,01
0909130	7,63	0909560	6,90
0909150	4,66	0909570	4,48
0909180	4,62	0909580	4,18
0909200	31,67	0909585	3,88
0909210	18,27	0909590	3,68
0909230	15,90	0909620	40,50
0909260	16,04	0909650	27,63
0909320	27,23	0909700	23,41
0909330	15,49	0909705	17,45
0909340	13,27	0909707	15,45
0909350	11,17	0909710	16,56
0909360	8,53	0909715	10,31
0909370	8,41	0909720	8,23
0909380	7,45	0909730	8,20
0909390	5,32	0909740	7,82
0909410	13,98	0909770	5,21
0909420	7,53	0909780	6,60
0909440	7,25	0909805	3,49
0909450	5,46	0909810	23,61
0909480	4,70	0909820	18,97
0909505	26,97	0909850	10,30
0909510	19,65	0909870	4,81
0909520	13,18	0909890	4,01
0909530	16,29	0909910	21,69
0909535	13,65	0909920	18,13
0909540	10,61	0909940	13,03

The information contained on page no 1 & 2 of this certificate is hereby certified to be correct statement of the tests and investigations carried out by ege test laboratory on the material referred to.

Signed by

Reported By



Dorthe Daa Pedersen
Laboratory Technician



Henrik Schmidt Hansen
QUALITY & ENVIRONMENTAL DIRECTOR