Herning 26.07.2022

ege testcertificate

Subject:	**Light Reflectance**
Reference No.:	1937
Reference:	Eco Structure
Description of sample:	Standard colors
Testing atmosphere	Unless otherwise specified the sample has been conditioned and tested, where appropiate, 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 Structure Broadloom

Color ref	Result	Color ref	Result
0913110	9,45	0913545	9,19
0913120	9,17	0913550	8,13
0913130	7,07	0913560	8,77
0913150	5,16	0913570	6,68
0913180	7,00	0913580	6,43
0913200	21,73	0913585	6,24
0913210	13,99	0913590	4,48
0913230	12,33	0913620	26,65
0913260	12,64	0913650	19,48
0913320	18,81	0913700	16,49
0913330	12,09	0913705	13,55
0913340	10,50	0913707	12,22
0913350	9,33	0913710	13,26
0913360	7,74	0913715	8,84
0913370	7,51	0913720	7,41
0913380	9,07	0913730	7,78
0913390	7,54	0913740	7,42
0913410	10,96	0913770	7,23
0913420	7,03	0913780	6,68
0913440	6,92	0913805	4,26
0913450	5,69	0913810	17,02
0913480	5,26	0913820	14,05
0913505	19,04	0913850	9,11
0913510	14,89	0913870	5,31
0913520	10,90	0913890	6,41
0913530	12,63	0913910	15,74
0913535	11,09	0913920	13,65
0913540	9,08	0913940	10,55

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 refered to.

Signed by

Dorthe Daa Pedersen
Laboratory Technician

Reported By

Henrik Schmidt Hansen
QUALITY & ENVIRONMENTAL DIRECTOR