

Light reflectance value.

Highline Loop                      page 2 – 3

Reform Calico                      page 4 – 5

Herning, 29.07. 2019

## ege group testcertificate

<b>Subject:</b>	<b>Light Reflectance</b>
<b>Reference No.:</b>	1316
<b>Reference:</b>	Highline Loop
<b>Description of sample:</b>	Tuftet carpet, loop pile Colour palettes 5500 Colour Scale 1-12 5520 Colour Scale 1-12 5575 Colour Scale 1-12 5595 Colour Scale 1-12
<b>Testing atmosphere</b>	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 $65 \pm 4$ % R.H. and $20 \pm 2$ °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 :

Colour no.	Colour palette 5500	Colour no.	Colour palette 5520	Colour no.	Colour palette 5575	Colour no.	Colour palette 5595
gb1 - K40501	16,52	gb1 - A20041	50,29	gb1 - K28328	36,61	gb1 - K28601	28,17
gb2 - K40502	2,62	gb2 - A20042	32,54	gb2 - K28329	26,12	gb2 - K28602	19,10
gb3 - K40503	13,41	gb3 - A20043	18,24	gb3 - K28378	16,88	gb3 - K28603	9,17
gb4 - K40504	39,61	gb4 - K20044	10,03	gb4 - K28374	6,36	gb4 - K20012	2,53
gb5 - K40505	3,95	gb5 - K20045	5,03	gb5 - K28366	3,45	gb5 - H28605	2,93
gb6 - K40506	4,66	gb6 - K20046	13,21	gb6 - K28364	6,66	gb6 - K28606	6,05
gb7 - K40507	3,56	gb7 - K20047	7,07	gb7 - K28380	15,99	gb7 - K28607	6,67
gb8 - K40508	12,74	gb8 - K20048	19,39	gb8 - K28379	25,09	gb8 - K28608	18,16
gb9 - K40509	5,41	gb9 - K20049	7,31	gb9 - K27886	18,92	gb9 - K28609	24,09
gb10 - K40510	14,37	gb10 - K20050	7,23	gb10 - K28360	18,88	gb10 - K28610	11,66
gb11 - K40511	6,18	gb11 - K20051	4,05	gb11 - K28367	7,02	gb11 - H28611	4,49
gb12 - K40512	19,46	gb12 - K20012	2,55	gb12 - K28368	3,40	gb12 - H28632	3,46

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 testlaboratory on the material referred to.

Signed by



Dorthe Daa Pedersen  
Laboratory Technician

Reported By



Henrik Schmidt Hansen  
Group CSR Director

Herning 12.07.2019

## ege group testcertificate

<b>Subject:</b>	<b>Light Reflectance</b>
<b>Reference No.:</b>	1332
<b>Reference:</b>	ReForm Calico
<b>Description of sample:</b>	Calico Standard colors
<b>Testing atmosphere</b>	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 $65 \pm 4$ % R.H. and $20 \pm 2$ °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 :**

**Ecotrust**

Color ref	Result	Color ref	Result
084113048	9,46	084155548	5,04
084115048	6,78	084157548	4,37
084116548	5,22	084159548	3,87
084118548	4,34	084163048	15,76
084121048	20,24	084171048	17,91
084123048	11,75	084172548	13,38
084133548	7,63	084174048	9,85
084136548	4,74	084175548	6,22
084137548	5,64	084176048	6,54
084139548	4,30	084177548	5,54
084144048	5,49	084179548	3,85
084148548	3,41	084184048	7,03
084153548	9,09	084186048	4,51
084154048	7,90		

**Broadloom**

Color ref	Result	Color ref	Result
0840130	9,46	0840555	5,04
0840150	6,78	0840575	4,37
0840165	5,22	0840595	3,87
0840185	4,34	0840630	15,76
0840210	20,24	0840710	17,91
0840230	11,75	0840725	13,38
0840335	7,63	0840740	9,85
0840365	4,74	0840755	6,22
0840375	5,64	0840760	6,54
0840395	4,30	0840775	5,54
0840440	5,49	0840795	3,85
0840485	3,41	0840840	7,03
0840535	9,09	0840860	4,51
0840540	7,90		

The information contained on page no 1-3 of this certificate is hereby certified to be correct statement of the tests and investigations carried out by ege testlaboratory on the material referred to.

Signed by

Reported By



Lene M. Weissenborn  
Laboratory Technician



Henrik Schmidt Hansen  
Group CSR Director



**EGE GROUP**