

Light reflectance value.

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ege testcertificate

Herning d. 25.01.2019

Subject:	Light Reflectance
Reference No.:	1191
Reference:	Reform Flux
Description of sample:	Reform Flux 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 :
Ecotrust

Color ref	Result	Color ref	Result
076216048	5,24	076253048	7,20
076223048	20,34	076254548	8,21
076231048	10,72	076255548	5,30
076233548	7,70	076257048	5,65
076234518	5,08	076259548	3,46
076236048	5,85	076263048	18,88
076236548	6,45	076264048	6,89
076237048	6,19	076274048	17,69
076237548	4,51	076276048	11,61
076239048	3,92	076277048	8,15
076242048	6,94	076279048	4,44
076243048	5,77	076280048	3,81
076245048	4,35	076288048	3,86
076248048	3,10		

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Color ref	Result	Color ref	Result
0800160	5,24	0800530	7,20
0800230	20,34	0800545	8,21
0800310	10,72	0800555	5,30
0800335	7,70	0800570	5,65
0800345	5,08	0800595	3,46
0800360	5,85	0800630	18,88
0800365	6,45	0800640	6,89
0800370	6,19	0800740	17,69
0800375	4,51	0800760	11,61
0800390	3,92	0800770	8,15
0800420	6,94	0800790	4,44
0800430	5,77	0800800	3,81
0800450	4,35	0800880	3,86
0800480	3,10		

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 04.02.2021

ege group testcertificate

Subject:	Light Reflectance
Reference No.:	1697
Reference:	Reform Mark of time
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 :
Reform Mark of time.
Ecotrust

088601048	7,30	088603048	5,16
088601148	19,02	088603148	13,31
088601248	12,00	088603248	8,22
088601348	7,51	088603348	6,16
088601448	8,81	088603448	7,55
088601548	19,88	088603548	15,93
088601648	21,44	088603648	20,20
088601748	14,79	088603748	12,57
088601848	10,60	088603848	8,58
088601948	13,40	088603948	12,77
088602048	19,39	088604048	15,56
088602148	17,53	088604148	13,96
088602248	7,37	088604248	6,43
088602348	13,04	088604348	10,08
088602448	24,25	088604448	19,43

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0887010	7,30	0887030	5,16
0887011	19,02	0887031	13,31
0887012	12,00	0887032	8,22
0887013	7,51	0887033	6,16
0887014	8,81	0887034	7,55
0887015	19,88	0887035	15,93
0887016	21,44	0887036	20,20
0887017	14,79	0887037	12,57
0887018	10,60	0887038	8,58
0887019	13,40	0887039	12,77
0887020	19,39	0887040	15,56
0887021	17,53	0887041	13,96
0887022	7,37	0887042	6,43
0887023	13,04	0887043	10,08
0887024	24,25	0887044	19,43

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Signed by

Reported By



Dorthe Daa Pedersen
Laboratory Technician



Henrik Schmidt Hansen
Group CSR Director

Herning 01.11.2021

ege group testcertificate

Subject:	Light Reflectance
Reference No.:	1814
Reference:	Reform Shadowplay
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.

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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	CIE Y	Color ref	CIE Y
090101048	7,34	090103048	4,88
090101148	15,82	090103148	14,12
090101248	10,16	090103248	9,05
090101348	6,95	090103348	7,43
090101448	9,05	090103448	8,41
090101548	21,67	090103548	16,72
090101648	25,71	090103648	15,73
090101748	15,18	090103748	13,34
090101848	14,03	090103848	11,13
090101948	15,79	090103948	12,22
090102048	15,26	090104048	12,94
090102148	16,37	090104148	14,61
090102248	8,47	090104248	7,11
090102348	12,09	090104348	11,02
090102448	25,56	090104448	21,06

Broadloom

Color ref	CIE Y	Color ref	CIE Y
0901010	7,34	0901030	4,88
0901011	15,82	0901031	14,12
0901012	10,16	0901032	9,05
0901013	6,95	0901033	7,43
0901014	9,05	0901034	8,41
0901015	21,67	0901035	16,72
0901016	25,71	0901036	15,73
0901017	15,18	0901037	13,34
0901018	14,03	0901038	11,13
0901019	15,79	0901039	12,22
0901020	15,26	0901040	12,94
0901021	16,37	0901041	14,61
0901022	8,47	0901042	7,11
0901023	12,09	0901043	11,02
0901024	25,56	0901044	21,06

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Henrik Schmidt Hansen
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