

Light reflectance value.

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Herning 19.10.2016

ege group testcertificate

Subject:	Light Reflectance
Reference No.:	0528
Reference:	Reform Legend
Description of sample:	Reform Legend 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
077701048	22,35	077702548	16,05
077701148	17,62	077702648	8,35
077701248	20,96	077702748	9,71
077701348	21,44	077702848	14,11
077701448	17,20	077703048	10,32
077701548	18,51	077703148	5,61
077701648	11,51	077703248	9,21
077701748	12,23	077703348	5,74
077701848	17,86	077703448	5,05
077702048	20,33	077703548	6,35
077702148	15,88	077703648	4,44
077702248	19,21	077703748	5,85
077702348	15,99	077703848	5,18
077702448	11,57	-	-

Broadloom

Color ref	Result	Color ref	Result
0778010	22,35	0778025	16,05
0778011	17,62	0778026	8,35
0778012	20,96	0778027	9,71
0778013	21,44	0778028	14,11
0778014	17,20	0778030	10,32
0778015	18,51	0778031	5,61
0778016	11,51	0778032	9,21
0778017	12,23	0778033	5,74
0778018	17,86	0778034	5,05
0778020	20,33	0778035	6,35
0778021	15,88	0778036	4,44
0778022	19,21	0778037	5,85
0778023	15,99	0778038	5,18
0778024	11,57	-	-

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

Reported By

Dorthe Daa Pedersen
Laboratory Technician

Jan Ladefoged
Quality- & Environmental Manager

Herning 14.10.2016

ege group testcertificate

Subject:	Light Reflectance
Reference No.:	0528
Reference:	Reform Memory
Description of sample:	Reform Memory 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
076701048	24,42	076702548	10,53
076701148	21,19	076702648	10,56
076701248	14,92	076702748	7,94
076701348	21,33	076702848	4,39
076701448	18,77	076703048	8,16
076701548	14,37	076703148	4,90
076701648	14,33	076703248	3,68
076701748	11,14	076703348	6,60
076701848	13,34	076703448	7,14
076702048	15,35	076703548	5,41
076702148	13,44	076703648	4,19
076702248	10,49	076703748	3,47
076702348	13,77	076703848	3,85
076702448	12,90	-	-

Broadloom

Color ref	Result	Color ref	Result
0768010	24,42	0768025	10,53
0768011	21,19	0768026	10,56
0768012	14,92	0768027	7,94
0768013	21,33	0768028	4,39
0768014	18,77	0768030	8,16
0768015	14,37	0768031	4,90
0768016	14,33	0768032	3,68
0768017	11,14	0768033	6,60
0768018	13,34	0768034	7,14
0768020	15,35	0768035	5,41
0768021	13,44	0768036	4,19
0768022	10,49	0768037	3,47
0768023	13,77	0768038	3,85
0768024	12,90	-	-

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Signed by



Dorthe Daa Pedersen
Laboratory Technician

Reported By



Jan Ladefoged
Quality- & Environmental Manager

Herning 12.07.2019

ege group testcertificate

Subject:	Light Reflectance
Reference No.:	1328
Reference:	ReForm Mano
Description of sample:	Mano 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
085815048	3,85	085835048	4,56
085816048	7,61	085837048	6,52
085817048	5,70	085845048	3,78
085818048	3,84	085853048	9,45
085819048	3,58	085858048	3,16
085822548	17,19	085871048	25,19
085824548	15,18	085872048	15,49
085825548	11,81	085873048	11,85
085826548	9,92	085875048	8,04
085827548	8,55	085876048	5,45
085832048	20,31	085878048	4,16
085833048	20,53	085880048	3,10
085833248	8,85	085893048	6,04
085834048	10,66		

Broadloom

Color ref	Result	Color ref	Result
0859150	3,85	0859350	4,56
0859160	7,61	0859370	6,52
0859170	5,70	0859450	3,78
0859180	3,84	0859530	9,45
0859190	3,58	0859580	3,16
0859225	17,19	0859710	25,19
0859245	15,18	0859720	15,49
0859255	11,81	0859730	11,85
0859265	9,92	0859750	8,04
0859275	8,55	0859760	5,45
0859320	20,31	0859780	4,16
0859330	20,53	0859800	3,10
0859332	8,85	0859930	6,04
0859340	10,66		

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

Herning 02.11.2017

ege group testcertificate

Subject:	Light Reflectance
Reference No.:	0838
Reference:	Reform Terra
Description of sample:	Reform Terra 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	Result	Color ref	Result
079422048	30,41	079458048	5,71
079433048	15,14	079472048	23,19
079443048	21,24	079474048	21,53
079453048	19,42	079478048	4,49
079456048	7,13	-	-

Broadloom

Color ref	Result	Color ref	Result
0795220	30,41	0795580	5,71
0795330	15,14	0795720	23,19
0795430	21,24	0795740	21,53
0795530	19,42	0795780	4,49
0795560	7,13	-	-

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Signed by

Reported By




Dorthe Daa Pedersen
Laboratory Technician

Henrik Schmidt Hansen
CSR Manager