Light reflectance value.

Herning 25.10.2017

ege testcertificate

Subject:	**Light Reflectance**
Reference No.:	0819
Reference:	Reform Artworks
Description of sample:	Standard color
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 $\pm$ 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.

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Test results CIE Y :

Ecotrust

Color ref	Result	Color ref	Result
079701048	24,44	079702548	3,62
079701148	14,77	079702648	9,60
079701248	7,53	079702748	7,22
079701348	14,08	079702848	4,64
079701448	10,00	079703048	12,03
079701548	4,64	079703148	10,80
079701648	12,33	079703248	7,86
079701748	8,22	079703348	7,46
079701848	4,97	079703448	6,71
079702048	20,68	079703548	3,24
079702148	12,65	079703648	7,18
079702248	6,35	079703748	7,77
079702348	12,14	079703848	3,87
079702448	8,01	-	-

Broadloom

Color ref	Result	Color ref	Result
0799010	24,44	0799025	3,62
0799011	14,77	0799026	9,60
0799012	7,53	0799027	7,22
0799013	14,08	0799028	4,64
0799014	10,00	0799030	12,03
0799015	4,64	0799031	10,80
0799016	12,33	0799032	7,86
0799017	8,22	0799033	7,46
0799018	4,97	0799034	6,71
0799020	20,68	0799035	3,24
0799021	12,65	0799036	7,18
0799022	6,35	0799037	7,77
0799023	12,14	0799038	3,87
0799024	8,01	-	-

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 reffered to.

Signed by

Dorthe Daa Pedersen
Laboratory Technician

Reported by

Henrik Schmidt Hansen
CSR Manager

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ege group testcertificate

Subject:	**Light Reflectance**
Reference No.:	1762
Reference:	Reform Discovery
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 $\pm$ 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.

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Test results CIE Y :

Reform Discovery Planet

Ecotrust	**CIE Y**
713501048	4,09
713502048	8,69
713503048	11,38
713504048	7,67
713505048	5,41
713506048	3,24
713507048	3,75

Broadloom	**CIE Y**
7135010	4,09
7135020	8,69
7135030	11,38
7135040	7,67
7135050	5,41
7135060	3,24
7135070	3,75

Reform Discovery Earth

Ecotrust	**CIE Y**
713510048	5,96
713511048	7,34
713512048	5,43
713513048	5,74
713514048	5,39

Broadloom	**CIE Y**
7135100	5,96
7135110	7,34
7135120	5,43
7135130	5,74
7135140	5,39

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Reform Discovery Network

Ecotrust	**CIE Y**
713520048	6,20
713521048	5,86
713522048	5,28
713523048	5,30
713524048	5,40

Broadloom	**CIE Y**
7135200	6,20
7135210	5,86
7135220	5,28
7135230	5,30
7135240	5,40

Reform Discovery Net

Ecotrust	**CIE Y**
713530096	8,00
713531096	9,99
713532096	5,35
713533096	5,26
713534096	4,94

Broadloom	**CIE Y**
7135300	8,00
7135310	9,99
7135320	5,35
7135330	5,26
7135340	4,94

Reform Discovery Cliffs

Ecotrust	**CIE Y**
713540096	5,81
713541096	6,56
713542096	4,95
713543096	5,82
713544096	3,68

Broadloom	**CIE Y**
7135400	5,81
7135410	6,56
7135420	4,95
7135430	5,82
7135440	3,68

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