

Light reflectance test on the following qualities.

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CVR 38 45 42 18

Herning 19.10.2016

## ege testcertificate

<b>Subject:</b>	<b>Light Reflectance</b>
<b>Reference No.:</b>	0528
<b>Reference:</b>	Reform Legend
<b>Description of sample:</b>	Reform Legend 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.

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CVR 38 45 42 18

**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	-	-

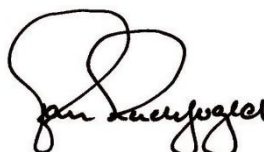
*The information contained on page no 1-2 of this certificate is hereby certified to be correct statement of the tests and investigations carried out by ege testlaboratory on the material referred to.*

Signed by



Dorthe Daa Pedersen  
Laboratory Technician

Reported By



Jan Ladefoged  
Quality- & Environmental Manager

## Light Reflectance Certificate

<b>Subject:</b>	<b>Light Reflectance</b>
<b>Reference No.:</b>	0528
<b>Reference:</b>	Reform Memory
<b>Description of sample:</b>	Reform Memory 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 its 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

## Light Reflectance Certificate

<b>Subject:</b>	<b>Light Reflectance</b>
<b>Reference No.:</b>	0528
<b>Reference:</b>	Reform Matrix
<b>Description of sample:</b>	Reform Matrix 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 its 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
082616048	6,87	082636048	5,53
082617048	4,68	082637048	6,08
082618048	3,22	082646048	3,69
082619048	3,03	082653048	9,24
082622548	16,83	082655048	5,61
082623548	15,39	082658048	2,72
082624548	15,33	082671048	23,83
082625548	11,10	082672048	14,07
082626548	9,57	082673048	10,28
082627548	8,05	082675048	7,26
082631048	26,06	082676048	4,37
082632048	19,04	082678048	3,28
082633048	18,34	082680048	2,78
082634048	10,08	-	-

**Broadloom**

Color ref	Result	Color ref	Result
0827160	6,87	0827360	5,53
0827170	4,68	0827370	6,08
0827180	3,22	0827460	3,69
0827190	3,03	0827530	9,24
0827225	16,83	0827550	5,61
0827235	15,39	0827580	2,72
0827245	15,33	0827710	23,83
0827255	11,10	0827720	14,07
0827265	9,57	0827730	10,28
0827275	8,05	0827750	7,26
0827310	26,06	0827760	4,37
0827320	19,04	0827780	3,28
0827330	18,34	0827800	2,78
0827340	10,08	-	-

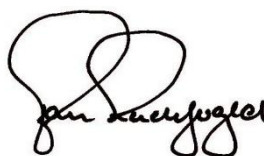
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Signed by



Dorthe Daa Pedersen  
Laboratory Technician

Reported By



Jan Ladefoged  
Quality- & Environmental Manager

## Light Reflectance Test Certificate

<b>Subject:</b>	<b>Light Reflectance</b>
<b>Reference No.:</b>	0838
<b>Reference:</b>	Reform Terra
<b>Description of sample:</b>	Reform Terra 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.

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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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Henrik Schmidt Hansen  
CSR Manager

