

Light reflectance value.

Reform Artworks

page 2 – 3

Reform Discovery

page 4 – 7

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 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 |
|-----------|--------|-----------|--------|
| 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 referred to.

Signed by



Dorthe Daa Pedersen
Laboratory Technician

Reported by



Henrik Schmidt Hansen
CSR Manager

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 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 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 |

**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 |

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



Henrik Schmidt Hansen
Group CSR Director