

Herning 14.08.2017

## ege testcertificate

<b>Subject:</b>	<b>Light Reflectance</b>
<b>Reference No.:</b>	0766
<b>Reference:</b>	Una Grano
<b>Description of sample:</b>	Una Grano 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.

**ege**<sup>®</sup>

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CVR 38 45 42 18

**Test results CIE Y :**

**Ecotrust**

Color ref	Result	Color ref	Result
082415048	10,30	082473048	14,30
082416048	6,35	082474048	11,57
082417048	3,87	082475048	11,05
082422048	28,19	082476048	7,61
082424048	23,81	082477048	7,17
082435048	4,17	082478048	4,41
082445048	6,57	082478748	5,38
082455048	3,92	082479048	4,60
082456048	3,71	082482348	3,15
082472048	21,82	082482548	2,86

**Broadloom**

Color ref	Result	Color ref	Result
0825150	10,30	0825730	14,30
0825160	6,35	0825740	11,57
0825170	3,87	0825750	11,05
0825220	28,19	0825760	7,61
0825240	23,81	0825770	7,17
0825350	4,17	0825780	4,41
0825450	6,57	0825787	5,38
0825550	3,92	0825790	4,60
0825560	3,71	0825823	3,15
0825720	21,82	0825825	2,86

*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



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Laboratory Technician

Henrik Smidt Hansen  
CSR Manager

