

Herning 12.10.2016

## ege testcertificate

<b>Subject:</b>	<b>Light Reflectance</b>
<b>Reference No.:</b>	0528
<b>Reference:</b>	Contra Stripe
<b>Description of sample:</b>	Contra Stripe 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
069118548	4,36	069159048	3,80
069119048	3,55	069159548	3,65
069123048	19,67	069164048	12,48
069135548	5,98	069166048	7,68
069137548	6,93	069173548	15,79
069139048	4,24	069175048	11,95
069145048	4,83	069176048	8,38
069147048	3,45	069176548	5,23
069153048	9,24	069177048	5,57
069155048	7,31	069178048	3,16
069158048	6,25	069178648	4,90
069158848	4,00	069180548	2,79

### Broadloom

Color ref	Result	Color ref	Result
2471185	4,36	2471590	3,80
2471190	3,55	2471595	3,65
2471230	19,67	2471640	12,48
2471355	5,98	2471660	7,68
2471375	6,93	2471735	15,79
2471390	4,24	2471750	11,95
2471450	4,83	2471760	8,38
2471470	3,45	2471765	5,23
2471530	9,24	2471770	5,57
2471550	7,31	2471780	3,16
2471580	6,25	2471786	4,90
2471588	4,00	2471805	2,79

*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

