

Light reflectance value.

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Herning 19.10.2016

ege group testcertificate

Subject:	Light Reflectance
Reference No.:	0528
Reference:	Reform Legend
Description of sample:	Reform Legend 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 :

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.

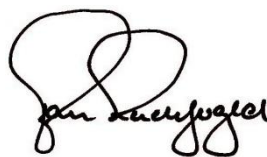
Signed by

Reported By

Dorthe Daa Pedersen



Laboratory Technician



Jan Ladefoged
Quality- & Environmental Manager

Herning 14.10.2016

ege group testcertificate

Subject:	Light Reflectance
Reference No.:	0528
Reference:	Reform Memory
Description of sample:	Reform Memory 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 :
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	-	-

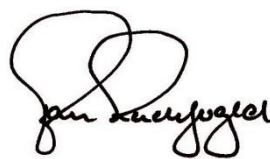
The information contained on page no 1-2 of this certificate is hereby certified to be correct statement of the tests and investigations carried out by ege testlaboratory on the material referred to.

Signed by

Reported By



Dorthe Daa Pedersen
Laboratory Technician



Jan Ladefoged
Quality- & Environmental Manager

Herning 12.07.2019

ege group testcertificate

Subject:	Light Reflectance
Reference No.:	1328
Reference:	ReForm Mano
Description of sample:	Mano 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

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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
085815048	3,85	085835048	4,56
085816048	7,61	085837048	6,52
085817048	5,70	085845048	3,78
085818048	3,84	085853048	9,45
085819048	3,58	085858048	3,16
085822548	17,19	085871048	25,19
085824548	15,18	085872048	15,49
085825548	11,81	085873048	11,85
085826548	9,92	085875048	8,04
085827548	8,55	085876048	5,45
085832048	20,31	085878048	4,16
085833048	20,53	085880048	3,10
085833248	8,85	085893048	6,04
085834048	10,66		

Broadloom

Color ref	Result	Color ref	Result
0859150	3,85	0859350	4,56
0859160	7,61	0859370	6,52
0859170	5,70	0859450	3,78
0859180	3,84	0859530	9,45
0859190	3,58	0859580	3,16
0859225	17,19	0859710	25,19
0859245	15,18	0859720	15,49
0859255	11,81	0859730	11,85
0859265	9,92	0859750	8,04
0859275	8,55	0859760	5,45
0859320	20,31	0859780	4,16
0859330	20,53	0859800	3,10
0859332	8,85	0859930	6,04
0859340	10,66		

The information contained on page no 1-3 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



Lene M. Weissenborn



Laboratory Technician

Henrik Schmidt Hansen
Group CSR Director

Herning 02.11.2017

ege group testcertificate

Subject:	Light Reflectance
Reference No.:	0838
Reference:	Reform Terra
Description of sample:	Reform Terra 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

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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	-	-

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
CSR Manager

Herning 26.11.2019

ege group testcertificate

Subject:	Light Reflectance
Reference No.:	1402
Reference:	Reform A New Wave WT Sand, Grass and Ocean
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

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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 :

Reform a New Wave WT Sand

Color ref	Result
0871010	8,96
0871011	21,16
0871012	18,39
0871013	12,12
0871014	9,09
0871015	11,50
0871016	5,85

Reform a New Wave WT Grass

Reform a New Wave Ecotrust Grass

Color ref	Result	Color ref	Result
0873020	8,96	087202048	8,96
0873021	21,16	087202148	21,16
0873022	18,39	087202248	18,39
0873023	12,12	087202348	12,12
0873024	9,09	087202448	9,09
0873025	11,50	087202548	11,50
0873026	5,85	087202648	5,85

Reform a New Wave WT Ocean

Color ref	Result
0875030	8,96
0875031	21,16
0875032	18,39
0875033	12,12
0875034	9,09
0875035	11,50
0875036	5,85

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

Herning 09.09.2020

ege group testcertificate

Subject:	Light Reflectance
Reference No.:	1584
Reference:	Reform Transition
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 Transition Ecotrust

Color ref	Result	Color ref	Result
086401048	36,01	086404148	8,37
086401148	25,40	086404248	8,49
086401248	20,60	086404348	5,98
086401348	9,51	086404448	5,25
086401448	12,00	086404548	4,32
086401548	8,67	086404648	4,23
086401648	9,09	086405048	26,61
086402048	21,83	086405148	14,03
086402148	14,25	086405248	7,12
086402248	11,06	086405348	13,43
086402348	16,90	086405448	9,10
086402448	8,90	086405548	7,32
086402548	9,24	086405648	5,26
086402648	6,92	086406048	28,21
086403048	30,36	086406148	14,66
086403148	20,08	086406248	11,02
086403248	19,16	086406348	18,62
086403348	7,88	086406448	13,80
086403448	21,62	086406548	11,75
086403548	14,69	086406648	21,61
086403648	5,46	086406748	12,45
086404048	17,46	086406848	20,46

Reform Transition Definition Ecotrust

Color ref	Result	Color ref	Result
086411048 L+R	20,77 - 42,56	086404048 L+R	9,67 - 20,11
086411148 L+R	14,37 - 26,25	086404148 L+R	5,19 - 6,40
086411248 L+R	20,85 - 7,56	086404248 L+R	3,96 - 5,55
086411348 L+R	6,68 - 9,65	086404348 L+R	8,50 - 18,61
086411448 L+R	8,82 - 10,47	086404448 L+R	4,73 - 12,71
086411548 L+R	8,20 - 15,69	086405048 L+R	6,87 - 10,34
086411648 L+R	18,50 - 38,65	086405148 L+R	5,07 - 7,09
086412048 L+R	6,62 - 10,18	086405248 L+R	7,43 - 28,76
086412148 L+R	10,01 - 18,25	086405348 L+R	16,70 - 26,73
086412348 L+R	12,25 - 23,56	086405448 L+R	6,89 - 19,15
086412448 L+R	6,62 - 16,66	086405548 L+R	7,03 - 31,54
086413048 L+R	16,61 - 33,47	086406048 L+R	21,20 - 30,85
086413148 L+R	7,38 - 22,93	086406148 L+R	14,04 - 15,74
086413248 L+R	5,77 - 20,21	086406248 L+R	12,41 - 31,98

086413348 L+R	21,57 - 32,68	086406348 L+R	8,78 - 20,70
086413448 L+R	13,96 - 30,81		
086403548 L+R	19,61 - 31,49		
086403648 L+R	7,35 - 21,88		

Reform Transition Broadloom

Color ref	Result	Color ref	Result
0865010	36,01	0865041	8,37
0865011	25,40	0865042	8,49
0865012	20,60	0865043	5,98
0865013	9,51	0865044	5,25
0865014	12,00	0865045	4,32
0865015	8,67	0865046	4,23
0865016	9,09	0865050	26,61
0865020	21,83	0865051	14,03
0865021	14,25	0865052	7,12
0865022	11,06	0865053	13,43
0865023	16,90	0865054	9,10
0865024	8,90	0865055	7,32
0865025	9,24	0865056	5,26
0865026	6,92	0865060	28,21
0865030	30,36	0865061	14,66
0865031	20,08	0865062	11,02
0865032	19,16	0865063	18,62
0865033	7,88	0865064	13,80
0865034	21,62	0865065	11,75
0865035	14,69	0865066	21,61
0865036	5,46	0865067	12,45
0865040	17,46	0865068	20,46

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

Herning 11.06.2021

ege group testcertificate

Subject:	Light Reflectance
Reference No.:	1762
Reference:	Reform Construction Concrete
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.

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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 :
Reform Construction Concrete

Ecotrust	CIE Y
713001148	20,85
713001248	3,94
713002148	9,88
713002248	3,42
713003148	7,10
713003248	3,51
713004148	13,23
713004248	5,46
713005148	8,36
713005248	4,99

MIX 96 x 96	CIE Y
713001096	21,30 – 3,27
713002096	10,62 – 3,01
713003096	9,24 – 2,88
713004096	10,04 – 3,74
713005096	7,66 – 3,91

Broadloom	CIE Y
7130011	20,85
7130012	3,94
7130021	9,88
7130022	3,42
7130031	7,10
7130032	3,51
7130041	13,23
7130042	5,46
7130051	8,36
7130052	4,99

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
Group CSR Director

Herning 11.06.2021

ege group testcertificate

Subject:	Light Reflectance
Reference No.:	1762
Reference:	Reform Construction Iron
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

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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.

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Test procedure

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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 Construction Iron
Ecotrust CIE Y Ecotrust CIE Y

713101148	7,36	713103248	3,67
713101248	4,70	713104148	6,59
713102148	8,02	713104248	3,52
713102248	4,06	713105148	6,82
713103148	6,18	713105248	3,85

MIX 96 x 96 CIE Y

713101096	8,35 – 4,39
713102096	8,64 – 3,63
713103096	6,55 – 3,62
713104096	6,71 – 3,09
713105096	6,62 – 3,42

Broadloom CIE Y Broadloom CIE Y

7131011	7,36	7131032	3,67
7131012	4,70	7131041	6,59
7131021	8,02	7131042	3,52
7131022	4,06	7131051	6,82
7131031	6,18	7131052	3,85

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

Herning 14.06.2021

ege group testcertificate

Subject:	Light Reflectance
Reference No.:	1762
Reference:	Reform Heritage
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

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Test procedure

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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 Heritage
Ecotrust**
CIE Y
Ecotrust
CIE Y

713301048	29,63	713320048	20,52
713302048	10,67	713322048	13,71
713303048	10,86	713323048	11,05
713305048	4,49	713324048	6,32
713306048	5,46	713325048	5,26
713307048	16,78	713326048	9,42
713308048	26,69	713327048	6,04
713309048	13,51	713329048	6,97
713313048	7,05	713331048	9,91
713314048	5,98	713335048	13,01
713316048	4,76		

Broadloom
CIE Y
Broadloom
CIE Y

7133010	29,63	7133200	20,52
7133020	10,67	7133220	13,71
7133030	10,86	7133230	11,05
7133050	4,49	7133240	6,32
7133060	5,46	7133250	5,26
7133070	16,78	7133260	9,42
7133080	26,69	7133270	6,04
7133090	13,51	7133290	6,97
7133130	7,05	7133310	9,91
7133140	5,98	7133350	13,01
7133160	4,76		

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

Herning 11.06.2021

ege group testcertificate

Subject:	Light Reflectance
Reference No.:	1762
Reference:	Reform Radiant
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 Construction Radiant
Ecotrust CIE Y**

Ecotrust	CIE Y	Ecotrust	CIE Y
713201148	8,53	713206148	9,90
713201248	4,22	713206248	4,39
713202148	4,88	713207148	10,52
713202248	4,64	713207248	5,35
713203148	7,06	713208148	6,67
713203248	3,55	713208248	4,57
713204148	8,78	713209148	8,27
713204248	4,70	713209248	4,15
713205148	9,01	713210148	7,65
713205248	4,39	713210248	3,93

MIX 96 x 96
CIE Y
MIX 96 x 96
CIE Y

713201096	9,48 – 4,19	713206096	9,70 – 4,07
713202096	5,51 – 4,21	713207096	11,30 – 4,33
713203096	7,11 – 3,44	713208096	7,03 – 4,55
713204096	9,59 – 4,32	713209096	9,91 – 3,88
713205096	10,90 – 4,17	713210096	8,14 – 3,89

Broadloom
CIE Y
Broadloom
CIE Y

7132011	8,53	7132061	9,90
7132012	4,22	7132062	4,39
7132021	4,88	7132071	10,52
7132022	4,64	7132072	5,35
7132031	7,06	7132081	6,67
7132032	3,55	7132082	4,57
7132041	8,78	7132091	8,27
7132042	4,70	7132092	4,15
7132051	9,01	7132101	7,65
7132052	4,39	7132102	3,93

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Group CSR Director



EGE GROUP