

**Test Report no. A 1217488/209114-1**

Kvadrat Holding A/S, Lundbergsvej 10, 8400 Ebeltoft	
Test material: Curtain fabric	
Design: Time 300	Received: 25-05-2007 Completed: 12-07-2007
Fibre content: 100% Trevira CS (Manufacturer's information)	Ref. no.: 1217488 Sample no.: 209114-1
Care label: (Not given)	Your ref.: Lone Henriksen

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Test Methods	Results
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	213 Colour fastness: 5  IMPROVED 6-7
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	103 Colour fastness: 5  IMPROVED 7
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	100 Colour fastness: 6-7
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	200 Colour fastness: 6
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	253 Colour fastness: 6
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	500 Colour fastness: 6

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Test Methods	Results
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	443 Colour fastness: 7
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	433 Colour fastness: 5-6
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	423 Colour fastness: 5-6
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	243 Colour fastness: 5-6
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	230 Colour fastness: 6
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	223 Colour fastness: 6
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	863 Colour fastness: 4-5  IMPROVED 5

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Test Methods	Results
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	843 Colour fastness: 4-5  IMPROVED 5-6
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	123 Colour fastness: 4-5  IMPROVED 5-6
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	943 Colour fastness: 4-5  IMPROVED 5-6
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	933 Colour fastness: 5  IMPROVED 5-6
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	880 Colour fastness: 5-6
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	723 Colour fastness: 5  IMPROVED 5-6
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	663 Colour fastness: 4-5  IMPROVED 5-6

## Test Report no. A 1217488/209114-1

Test Methods	Results
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	673 Colour fastness: 5  IMPROVED 5-6
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	683 Colour fastness: 4-5  IMPROVED 5
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	163 Colour fastness: 5
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	873 Colour fastness: 5-6
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	853 Colour fastness: 4-5  IMPROVED 5
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	833 Colour fastness: 5
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	110 Colour fastness: 4-5  IMPROVED 5-6

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Test Methods	Results
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	823 Colour fastness: 4-5  IMPROVED 5-6
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	913 Colour fastness: 7
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	413 Colour fastness: 6
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	553 Colour fastness: 6
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	643 Colour fastness: 6
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	653 Colour fastness: 6
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	353 Colour fastness: 5-6

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Test Methods	Results
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	150 Colour fastness: 5  IMPROVED 5-6
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	753 Colour fastness: 5
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	743 Colour fastness: 5
<b>Colour fastness to artificial light</b> ISO 105:B02:2000/Amd.2:2000 Method 2 1-8 scale, 8 best rating Normal conditions Apparatus: Xenotest 450	733 Colour fastness: 5-6

The test has been performed according to the rear side conditions, which are according to the guidelines laid down by DANAK (The Danish Accreditation). The testing is only valid for the tested specimen. The test report may only be extracted, if the laboratory has approved the extract

12 July 2007, Danish Technological Institute, Textile

*Charlotte Fischer*  
 Charlotte Fischer  
 Test responsible

*Bodil Pedersen*  
 Bodil Pedersen  
 Co-reader



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## **Report**

### **Received:**

16 Fabric samples, indicated as:

MT07.16160.01 TNO number	Time 673
MT07.16160.02 TNO number	Time 663
MT07.16160.03 TNO number	Time 943
MT07.16160.04 TNO number	Time 123
MT07.16160.05 TNO number	Time 110
MT07.16160.06 TNO number	Time 103
MT07.16160.07 TNO number	Time 213
MT07.16160.08 TNO number	Time 150
MT07.16160.09 TNO number	Time 163
MT07.16160.10 TNO number	Time 753
MT07.16160.11 TNO number	Time 833
MT07.16160.12 TNO number	Time 743
MT07.16160.13 TNO number	Time 723
MT07.16160.14 TNO number	Time 933
MT07.16160.15 TNO number	Time 863
MT07.16160.16 TNO number	Time 843

### **Request:**

Testing the samples for colour fastness to light. Report in between time after 100 hours and after 400 hours. Every sample will be taken for one and the same, so one test per sample.

### **Date**

15-7-2008

### **Project number**

T07.16160.02

### **Phone number client**

+45 8953 1866

### **Fax number client**

-

### **Your reference**

-

### **Article**

16 fabric samples

### **Appendix**

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TQS applies the Standard Conditions for research instructions given to TNO. The Standard Conditions will be sent on request



**Date**  
15-7-2008

**Project number**  
T07.16160.02

**Page**  
2/2

**Test method:**

Colour fastness to light : ISO 105-B02:1994. Assessment according to blue scale of 1 to 8 where 1 = severe colour change and 8 = no colour change. Xenon lamp, method 1.

**Test conditions:**

Temperature : 20 ± 2°C  
Relative humidity : 65 ± 4%  
Date of testing : week 43 - 48, 2007

**Test results:**

➤ *Colour fastness to light*

TNO sample number	Value after		Final value
	100 hours	400 hours	
MT07.16160.01 Time 673	5-6	5-6	5-6
MT07.16160.02 Time 663	6-7	5-6	5-6
MT07.16160.03 Time 943	6	5-6	5-6
MT07.16160.04 Time 123	6-7	6	5-6
MT07.16160.05 Time 110	5-6	5-6	5-6
MT07.16160.06 Time 103	6-7	6-7	7
MT07.16160.07 Time 213	6	6-7	6-7
MT07.16160.08 Time 150	6	6	5-6
MT07.16160.09 Time 163	5-6	-	5
MT07.16160.10 Time 753	4-5	-	5
MT07.16160.11 Time 833	4-5	-	5
MT07.16160.12 Time 743	4-5	-	5
MT07.16160.13 Time 723	5-6	6	5-6
MT07.16160.14 Time 933	5	-	5-6
MT07.16160.15 Time 863	5	5	5
MT07.16160.16 Time 843	5-6	-	5-6

Project leader:

B.B. Röben, BSc.

Visa:

Mrs. K. Lammerts





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## **Report**

### **Received:**

Three fabric samples, indicated as:  
MT07.16019.02 Time 853  
MT07.16019.03 Time 823  
MT07.16019.04 Time 683

### **Date**

26-8-2008

### **Project number**

T07.16019.03

### **Phone number client**

+45 8953 1866

### **Fax number client**

-

### **Your reference**

-

### **Article**

3 fabric samples

### **Appendix**

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### **Request:**

Determination of the colour fastness to light, report in between time after 100 and 400 hours.

### **Test method:**

Colour fastness to light : ISO 105-B02:1994. Assessment according to blue scale of 1 to 8 where 1 = severe colour change and 8 = no colour change. Xenon lamp, method 2.

### **Test conditions:**

Temperature : 20 ± 2°C  
Relative humidity : 65 ± 4%  
Date of testing : week 39, 2007

TQS applies the Standard Conditions for research instructions given to TNO. The Standard Conditions will be sent on request



**Date**  
26-8-2008

**Project number**  
T07.16019.03

**Test results:**

➤ *Colour fastness to light*

Lichtechtheid	Value after 100 hours	Value after 400 hours	Value at the end of the test
MT07.16019.02 Time 853	6 - 7	5	5
MT07.16019.03 Time 823	6 - 7	5 - 6	5 - 6
MT07.16019.04 Time 683	6 - 7	5	5

**Page**  
2/2

Project leader:

B.B. Röben, BSc.

Visa:

J. Brinks