

**Test Report no. A 1217488B/107649-1**

Kvadrat Holding A/S, Lundbergsvej 10, 8400 Ebeltoft	
Test material: Upholstery	
Design: Molly 143	Received: 2005-01-05 Completed: 2005-01-25
Fibre content: 100% wool (Manufacturers information)	Ref. no.: 1217488B Sample no.: 107649-1
Care label: (Not given)	Your ref.: Lone Henriksen

Gregersensvej  
P.O. Box 141  
DK-2630 Taastrup  
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Fax +45 72 20 20 19

info@teknologisk.dk  
www.teknologisk.dk

Test Methods	Results																		
<b>Mass per unit area</b> ISO 3801:1977	Only one determination  435 g/m <sup>2</sup>																		
<b>Abrasion resistance - Martindale</b> EN ISO 12947-1:1998 Mass: 795 g Nominal pressure: 12 kPa Pre-treatment: Annex A.1 Breakdown point: Two broken threads	Individual results: 35.000 - 35.000 - 40.000 - 40.000 rubs  End point according to "Classification of Upholstery Fabrics:2002" 35.000 rubs																		
<b>Determination of fabric propensity to surface fuzzing and to pilling</b> EN ISO 12945-1:2000 Modified Martindale method 1-5 scale, 5 best rating Number of test specimens: 3 Number of observers: 2 Abradant: Wool abradant fabric Loading mass: 415 g	<table border="1"> <thead> <tr> <th>Assessment stage</th> <th>Number of rubs</th> <th>Pilling grade</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>500</td> <td>4</td> </tr> <tr> <td>2</td> <td>1000</td> <td>3-4</td> </tr> <tr> <td>3</td> <td>2000</td> <td>3</td> </tr> <tr> <td>4</td> <td>5000</td> <td>2</td> </tr> <tr> <td>Final grade</td> <td></td> <td>3</td> </tr> </tbody> </table> <p>The final grading at 2000 rubs relates to fuzzing and pilling</p>	Assessment stage	Number of rubs	Pilling grade	1	500	4	2	1000	3-4	3	2000	3	4	5000	2	Final grade		3
Assessment stage	Number of rubs	Pilling grade																	
1	500	4																	
2	1000	3-4																	
3	2000	3																	
4	5000	2																	
Final grade		3																	

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

25 January 2005, Danish Technological Institute, Textile

*Charlotte Fischer*  
Charlotte Fischer  
Test responsible

*Bodil Pedersen*  
Bodil Pedersen  
Co-reader

**Appendix to Test Report No. 1217488B/107649-1**

**Upholstery fabric: Molly 143**

Fields of application based on abrasion resistance and according to "Classification of Upholstery Fabrics: 2002" (DTI/BT\*)  
 The classification in fields of application is not covered by Accreditation No. 25

Private Homes		Public Areas and Offices			
Rooms with low intensity of use	Rooms with normal intensity of use	Hotel rooms, hospital wards, conference rooms with low intensity of use	Sitting rooms in hospitals/nursing homes, reception and banqueting rooms, college rooms	Offices, staff rest rooms, conference and lecture rooms, restaurants, canteens, cinemas, theatres, passenger aircraft	Trains, busses, passenger ships, hotel lobbies, departure halls, cafeterias, schools, nursery schools, recreation centres, children's homes
<u>Upholstery</u> soft	<u>Upholstery</u> firm	<u>Upholstery</u> soft	<u>Upholstery</u> firm	<u>Upholstery</u> soft	<u>Upholstery</u> firm
at least 10.000	at least 15.000	at least 10.000	at least 15.000	at least 25.000	at least 30.000
					at least 35.000
					<del>at least 45.000</del>

Crossing out indicates: not suitable

DTI = Danish Technology Institute

\*BT = Clothing and Textile

chf/bnp/ac, 25 January 2005

**Test Report no. A 1217488B/107649-4**

Kvadrat Holding A/S, Lundbergsvej 10, 8400 Ebeltoft	
Test material: Upholstery	
Design: Molly 149	Received: 2005-01-05 Completed: 2005-01-25
Fibre content: 100% wool (Manufacturers information)	Ref. no.: 1217488B Sample no.: 107649-4
Care label: (Not given)	Your ref.: Lone Henriksen

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Test Methods	Results																		
<b>Mass per unit area</b> ISO 3801:1977	Only one determination  385 g/m <sup>2</sup>																		
<b>Abrasion resistance - Martindale</b> EN ISO 12947-1:1998 Mass: 795 g Nominal pressure: 12 kPa Pre-treatment: Annex A.1 Breakdown point: Two broken threads	Individual results: 55.000 - 55.000 - 60.000 - 60.000 rubs End point according to "Classification of Upholstery Fabrics:2002" 55.000 rubs																		
<b>Determination of fabric propensity to surface fuzzing and to pilling</b> EN ISO 12945-1:2000 Modified Martindale method 1-5 scale, 5 best rating Number of test specimens: 3 Number of observers: 2 Abradant: Wool abradant fabric Loading mass: 415 g	<table border="1"> <thead> <tr> <th>Assessment stage</th> <th>Number of rubs</th> <th>Pilling grade</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>500</td> <td>4-5</td> </tr> <tr> <td>2</td> <td>1000</td> <td>3-4</td> </tr> <tr> <td>3</td> <td>2000</td> <td>3-4</td> </tr> <tr> <td>4</td> <td>5000</td> <td>3-4</td> </tr> <tr> <td>Final grade</td> <td></td> <td>3-4</td> </tr> </tbody> </table> <p>The final grading at 2000 rubs relates to fuzzing</p>	Assessment stage	Number of rubs	Pilling grade	1	500	4-5	2	1000	3-4	3	2000	3-4	4	5000	3-4	Final grade		3-4
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1	500	4-5																	
2	1000	3-4																	
3	2000	3-4																	
4	5000	3-4																	
Final grade		3-4																	

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25 January 2005, Danish Technological Institute, Textile

*Charlotte Fischer*  
Charlotte Fischer  
Test responsible

*Bodil Pedersen*  
Bodil Pedersen  
Co-reader



**Appendix to Test Report No. 1217488B/107649-4**

**Upholstery fabric: Molly 149**

Fields of application based on abrasion resistance and according to "Classification of Upholstery Fabrics: 2002" (DTI/BT\*)  
The classification in fields of application is not covered by Accreditation No. 25

Private Homes		Public Areas and Offices			
Rooms with low intensity of use	Rooms with normal intensity of use	Hotel rooms, hospital wards, conference rooms with low intensity of use	Sitting rooms in hospitals/nursing homes, reception and banqueting rooms, college rooms	Offices, staff rest rooms, conference rooms and lecture rooms, restaurants, canteens, cinemas, theatres, passenger aircraft	Trains, busses, passenger ships, hotel lobbies, departure halls, cafeterias, schools, nursery schools, recreation centres, children's homes
Upholstery soft	Upholstery soft	Upholstery soft	Upholstery soft	Upholstery soft	Upholstery soft
at least 10.000	at least 15.000	at least 10.000	at least 15.000	at least 25.000	at least 30.000
firm	firm	firm	firm	firm	firm
at least 15.000	at least 25.000	at least 15.000	at least 15.000	at least 25.000	at least 45.000

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chf/bnp/ac, 25 January 2005

Reg. no. 25

**Test Report no. A 1217488B/107649-3**

Kvadrat Holding A/S, Lundbergsvej 10, 8400 Ebeltoft	
Test material: Upholstery	
Design: Molly 160	Received: 2005-01-05 Completed: 2005-01-25
Fibre content: 100% uld (Manufacturers information)	Ref. no.: 1217488B Sample no.: 107649-3
Care label: (Not given)	Your ref.: Lone Henriksen

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Test Methods	Results																		
<b>Mass per unit area</b> ISO 3801:1977	Only one determination  400 g/m <sup>2</sup>																		
<b>Abrasion resistance - Martindale</b> EN ISO 12947-1:1998 Mass: 795 g Nominal pressure: 12 kPa Pre-treatment: Annex A.1 Breakdown point: Two broken threads	Individual results: 55.000 - 60.000 - 55.000 - 55.000 rubs  End point according to "Classification of Upholstery Fabrics:2002" 55.000 rubs																		
<b>Determination of fabric propensity to surface fuzzing and to pilling</b> EN ISO 12945-1:2000 Modified Martindale method 1-5 scale, 5 best rating Number of test specimens: 3 Number of observers: 2 Abradant: Wool abradant fabric Loading mass: 415 g	<table border="1"> <thead> <tr> <th>Assessment stage</th> <th>Number of rubs</th> <th>Pilling grade</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>500</td> <td>4</td> </tr> <tr> <td>2</td> <td>1000</td> <td>3-4</td> </tr> <tr> <td>3</td> <td>2000</td> <td>3-4</td> </tr> <tr> <td>4</td> <td>5000</td> <td>3-4</td> </tr> <tr> <td>Final grade</td> <td></td> <td>3-4</td> </tr> </tbody> </table> <p>The final grading at 2000 rubs relates to fuzzing</p>	Assessment stage	Number of rubs	Pilling grade	1	500	4	2	1000	3-4	3	2000	3-4	4	5000	3-4	Final grade		3-4
Assessment stage	Number of rubs	Pilling grade																	
1	500	4																	
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25 January 2005, Danish Technological Institute, Textile

*Charlotte Fischer*  
Charlotte Fischer  
Test responsible

*Bodil Pedersen*  
Bodil Pedersen  
Co-reader

**Upholstery fabric: Molly 160**

Fields of application based on abrasion resistance and according to "Classification of Upholstery Fabrics: 2002" (DTI/BT\*)  
 The classification in fields of application is not covered by Accreditation No. 25

Private Homes		Public Areas and Offices			
Rooms with low intensity of use	Rooms with normal intensity of use	Hotel rooms, hospital wards, conference rooms with low intensity of use	Sitting rooms in hospitals/nursing homes, reception and banqueting rooms, college rooms	Offices, staff rest rooms, conference rooms, lecture rooms, restaurants, canteens, cinemas, theatres, passenger aircraft	Trains, busses, passenger ships, hotel lobbies, departure halls, cafeterias, schools, nursery schools, recreation centres, children's homes
Upholstery soft	Upholstery firm	Upholstery soft	Upholstery firm	Upholstery soft	Upholstery firm
at least 10.000	at least 15.000	at least 10.000	at least 15.000	at least 25.000	at least 30.000
					at least 45.000

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**Test Report no. A 1217488B/107649-1**

Kvadrat Holding A/S, Lundbergsvej 10, 8400 Ebeltoft	
Test material: Upholstery	
Design: Molly 143	Received: 2005-01-05 Completed: 2005-01-25
Fibre content: 100% wool (Manufacturers information)	Ref. no.: 1217488B Sample no.: 107649-1
Care label: (Not given)	Your ref.: Lone Henriksen

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Test Methods	Results																		
<b>Mass per unit area</b> ISO 3801:1977	Only one determination  435 g/m <sup>2</sup>																		
<b>Abrasion resistance - Martindale</b> EN ISO 12947-1:1998 Mass: 795 g Nominal pressure: 12 kPa Pre-treatment: Annex A.1 Breakdown point: Two broken threads	Individual results: 35.000 - 35.000 - 40.000 - 40.000 rubs  End point according to "Classification of Upholstery Fabrics:2002" 35.000 rubs																		
<b>Determination of fabric propensity to surface fuzzing and to pilling</b> EN ISO 12945-1:2000 Modified Martindale method 1-5 scale, 5 best rating Number of test specimens: 3 Number of observers: 2 Abradant: Wool abradant fabric Loading mass: 415 g	<table border="1"> <thead> <tr> <th>Assessment stage</th> <th>Number of rubs</th> <th>Pilling grade</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>500</td> <td>4</td> </tr> <tr> <td>2</td> <td>1000</td> <td>3-4</td> </tr> <tr> <td>3</td> <td>2000</td> <td>3</td> </tr> <tr> <td>4</td> <td>5000</td> <td>2</td> </tr> <tr> <td>Final grade</td> <td></td> <td>3</td> </tr> </tbody> </table> <p>The final grading at 2000 rubs relates to fuzzing and pilling</p>	Assessment stage	Number of rubs	Pilling grade	1	500	4	2	1000	3-4	3	2000	3	4	5000	2	Final grade		3
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Charlotte Fischer  
Test responsible

*Bodil Pedersen*  
Bodil Pedersen  
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**Appendix to Test Report No. 1217488B/107649-1**

**Upholstery fabric: Molly 143**

Fields of application based on abrasion resistance and according to "Classification of Upholstery Fabrics: 2002" (DTI/BT\*)  
 The classification in fields of application is not covered by Accreditation No. 25

Private Homes		Public Areas and Offices			
Rooms with low intensity of use	Rooms with normal intensity of use	Hotel rooms, hospital wards, conference rooms with low intensity of use	Sitting rooms in hospitals/nursing homes, reception and banqueting rooms, college rooms	Offices, staff rest rooms, conference and lecture rooms, restaurants, canteens, cinemas, theatres, passenger aircraft	Trains, busses, passenger ships, hotel lobbies, departure halls, cafeterias, schools, nursery schools, recreation centres, children's homes
<u>Upholstery</u> soft	<u>Upholstery</u> firm	<u>Upholstery</u> soft	<u>Upholstery</u> firm	<u>Upholstery</u> soft	<u>Upholstery</u> firm
at least 10.000	at least 15.000	at least 10.000	at least 15.000	at least 25.000	at least 30.000
					at least 35.000
					at least 45.000

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chf/bnp/ac, 25 January 2005



**Test Report no. A 1217488B/107649-4**

Kvadrat Holding A/S, Lundbergsvej 10, 8400 Ebeltoft	
Test material: Upholstery	
Design: Molly 149	Received: 2005-01-05 Completed: 2005-01-25
Fibre content: 100% wool (Manufacturers information)	Ref. no.: 1217488B Sample no.: 107649-4
Care label: (Not given)	Your ref.: Lone Henriksen

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Test Methods	Results																		
<b>Mass per unit area</b> ISO 3801:1977	Only one determination  385 g/m <sup>2</sup>																		
<b>Abrasion resistance - Martindale</b> EN ISO 12947-1:1998 Mass: 795 g Nominal pressure: 12 kPa Pre-treatment: Annex A.1 Breakdown point: Two broken threads	Individual results: 55.000 - 55.000 - 60.000 - 60.000 rubs End point according to "Classification of Upholstery Fabrics:2002" 55.000 rubs																		
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1	500	4-5																	
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25 January 2005, Danish Technological Institute, Textile

*Charlotte Fischer*  
Charlotte Fischer  
Test responsible

*Bodil Pedersen*  
Bodil Pedersen  
Co-reader

**Appendix to Test Report No. 1217488B/107649-4**

**Upholstery fabric: Molly 149**

Fields of application based on abrasion resistance and according to "Classification of Upholstery Fabrics: 2002" (DTI/BT\*)  
The classification in fields of application is not covered by Accreditation No. 25

Private Homes		Public Areas and Offices			
Rooms with low intensity of use	Rooms with normal intensity of use	Hotel rooms, hospital wards, conference rooms with low intensity of use	Sitting rooms in hospitals/nursing homes, reception and banqueting rooms, college rooms	Offices, staff rest rooms, conference rooms and lecture rooms, restaurants, canteens, cinemas, theatres, passenger aircraft	Trains, busses, passenger ships, hotel lobbies, departure halls, cafeterias, schools, nursery schools, recreation centres, children's homes
Upholstery soft	Upholstery firm	Upholstery soft	Upholstery firm	Upholstery soft	Upholstery firm
at least 10.000	at least 15.000	at least 10.000	at least 15.000	at least 25.000	at least 30.000
					at least 45.000

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chf/bnp/ac, 25 January 2005

Reg. no. 25

**Test Report no. A 1217488B/107649-3**

Kvadrat Holding A/S, Lundbergsvej 10, 8400 Ebeltoft	
Test material: Upholstery	
Design: Molly 160	Received: 2005-01-05 Completed: 2005-01-25
Fibre content: 100% uld (Manufacturers information)	Ref. no.: 1217488B Sample no.: 107649-3
Care label: (Not given)	Your ref.: Lone Henriksen

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Test Methods	Results																		
<b>Mass per unit area</b> ISO 3801:1977	Only one determination  400 g/m <sup>2</sup>																		
<b>Abrasion resistance - Martindale</b> EN ISO 12947-1:1998 Mass: 795 g Nominal pressure: 12 kPa Pre-treatment: Annex A.1 Breakdown point: Two broken threads	Individual results: 55.000 - 60.000 - 55.000 - 55.000 rubs  End point according to "Classification of Upholstery Fabrics:2002" 55.000 rubs																		
<b>Determination of fabric propensity to surface fuzzing and to pilling</b> EN ISO 12945-1:2000 Modified Martindale method 1-5 scale, 5 best rating Number of test specimens: 3 Number of observers: 2 Abradant: Wool abradant fabric Loading mass: 415 g	<table border="1"> <thead> <tr> <th>Assessment stage</th> <th>Number of rubs</th> <th>Pilling grade</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>500</td> <td>4</td> </tr> <tr> <td>2</td> <td>1000</td> <td>3-4</td> </tr> <tr> <td>3</td> <td>2000</td> <td>3-4</td> </tr> <tr> <td>4</td> <td>5000</td> <td>3-4</td> </tr> <tr> <td>Final grade</td> <td></td> <td>3-4</td> </tr> </tbody> </table> <p>The final grading at 2000 rubs relates to fuzzing</p>	Assessment stage	Number of rubs	Pilling grade	1	500	4	2	1000	3-4	3	2000	3-4	4	5000	3-4	Final grade		3-4
Assessment stage	Number of rubs	Pilling grade																	
1	500	4																	
2	1000	3-4																	
3	2000	3-4																	
4	5000	3-4																	
Final grade		3-4																	

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

25 January 2005, Danish Technological Institute, Textile

*Charlotte Fischer*  
Charlotte Fischer  
Test responsible

*Bodil Pedersen*  
Bodil Pedersen  
Co-reader



**Upholstery fabric: Molly 160**

Fields of application based on abrasion resistance and according to "Classification of Upholstery Fabrics: 2002" (DTI/BT\*)  
 The classification in fields of application is not covered by Accreditation No. 25

Private Homes		Public Areas and Offices			
Rooms with low intensity of use	Rooms with normal intensity of use	Hotel rooms, hospital wards, conference rooms with low intensity of use	Sitting rooms in hospitals/nursing homes, reception and banqueting rooms, college rooms	Offices, staff rest rooms, conference rooms, lecture rooms, restaurants, canteens, cinemas, theatres, passenger aircraft	Trains, busses, passenger ships, hotel lobbies, departure halls, cafeterias, schools, nursery schools, recreation centres, children's homes
<u>Upholstery</u> firm	<u>Upholstery</u> soft	<u>Upholstery</u> firm	<u>Upholstery</u> soft	<u>Upholstery</u> soft	<u>Upholstery</u> firm
at least 10.000	at least 15.000	at least 10.000	at least 15.000	at least 25.000	at least 30.000
		at least 15.000	at least 25.000	at least 35.000	at least 45.000

Crossing out indicates: not suitable

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**Test Report no. A 1217488/117289-1UK**

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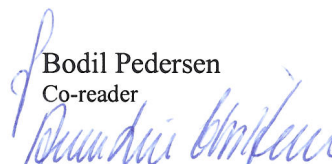
Kvadrat Holding A/S, Lundbergsvej 10, 8400 Ebeltøft	
Test material: Molly 161	
Design:	Received: 2005-05-18 Completed: 2005-05-25
Fibre content: 100% ny uld (Manufacturers information)	Ref. no.: 1217488 Sample no.: 117289-1UK
Care label: (Not given)	Your ref.: Lone Henriksen

Test Methods	Results																		
<b>Abrasion resistance - Martindale</b> EN ISO 12947-2:1998 Mass: 795 g Nominal pressure: 12 kPa Pre-treatment: Annex A.1 Breakdown point: Two broken threads	Individual results: 40.000 - 40.000 - 40.000 - 45.000 rubs  End point according to "Classification of Upholstery Fabrics:2002" 40.000 rubs																		
<b>Determination of fabric propensity            to surface fuzzing and to pilling</b> EN ISO 12945-2:2000 Modified Martindale method 1-5 scale, 5 best rating Number of test specimens: 3 Number of observers: 2 Abradant: Wool abradant fabric Loading mass: 415 g	<table border="1"> <thead> <tr> <th>Assessment stage</th> <th>Number of rubs</th> <th>Pilling grade</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>500</td> <td>3-4</td> </tr> <tr> <td>2</td> <td>1000</td> <td>3-4</td> </tr> <tr> <td>3</td> <td>2000</td> <td>3</td> </tr> <tr> <td>4</td> <td>5000</td> <td>2-3</td> </tr> <tr> <td colspan="2">Final grade</td> <td>3</td> </tr> </tbody> </table> The final grading at 2000 rubs relates to fuzzing and pilling	Assessment stage	Number of rubs	Pilling grade	1	500	3-4	2	1000	3-4	3	2000	3	4	5000	2-3	Final grade		3
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4	5000	2-3																	
Final grade		3																	

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27 May 2005, Danish Technological Institute, Textile

  
 Charlotte Fischer  
 Test responsible

  
 Bodil Pedersen  
 Co-reader

**Appendix to Test Report No. 1217488/117289-1UK**

**Molly 161 :**

Fields of application based on abrasion resistance and according to "Classification of Upholstery Fabrics: 2002" (Danish Technological Institute, Textile)  
The classification in fields of application is not covered by Accreditation No. 25.

<b>Private Homes</b>		
Rooms with low intensity of use	Soft upholstery	at least 10.000
	Firm upholstery	at least 15.000
Rooms with normal intensity of use	Soft upholstery	at least 15.000
	Firm upholstery	at least 25.000
<b>Public Areas and Offices</b>		
Hotel rooms, hospital wards, conference rooms with low intensity of use	Soft upholstery	at least 10.000
	Firm upholstery	at least 15.000
Sitting rooms in hospitals/nursing homes, reception and banqueting rooms, college rooms	Soft upholstery	at least 15.000
	Firm upholstery	at least 25.000
Offices, staff rest rooms, conference and lecture rooms, restaurants, canteens, cinemas, theatres, passenger aircraft	Soft upholstery	at least 25.000
	Firm upholstery	at least 35.000
Trains, busses, passenger ships, hotel lobbies, departure halls, cafeterias, schools, nursery schools, recreation centres, children's homes	Soft upholstery	at least 30.000
	Firm upholstery	<del>at least 45.000</del>

Crossing out indicates: not suitable.