Sam Yuen Carpet Development Ltd.
三源地氈發展有限公司
九龍佐敦德興街11號興富中心701室
Rm 701 Rightful Centre, No.11 Tak Hing St. Kln. H.K.
Tel: (852) 2780 3990 Fax: (852) 2770 7230
Email: info@samyuencarpet.com

TECHNICAL SPECIFICATIONS

Quality	: WP - Collection
Yarn Fiber	: 100% Wool
Width	: 13'-2" (4.00M)
Pile Weight	: ± 40 oz./yd^2 (1,350 g/m^2)
Pile Height	: ± 9.5 mm
Total Height	: ± 11.0 mm
Gauge and Structure	: 5/32 " Multi Level Loop Machine Tufted
Primary Backing	: 100% Woven Polypropylene
Secondary Backing	: Jute Back
Fire Classification	: EN 13501-1 : 2007 + A1 : 2009 (E) EN ISO 9239-1 : 2010 EN ISO 11925-2 : 2010 Rating : B_{fl} – S1
Flammability Test	: SGS BS 4790: 1987 / BS 5287 : 1988
Certificate	: EN 14041 : 2004

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TECHNICAL SPECIFICATIONS

Quality	: WQ - Collection
Yarn Fiber	: 100% Wool
Width	: 13'-2" (4.00M)
Pile Weight	: ± 48 oz./yd^2 (1,620 g/m^2)
Pile Height	: ± 10.5 mm
Total Height	: ± 12.0 mm
Gauge and Structure	: 5/32 " Multi Level Loop Machine Tufted
Primary Backing	: 100% Woven Polypropylene
Secondary Backing	: Jute Back
Fire Classification	: EN 13501-1 : 2007 + A1 : 2009 (E) EN ISO 9239-1 : 2010 EN ISO 11925-2 : 2010 Rating : B_{fl} – S1
Flammability Test	: SGS BS 4790: 1987 / BS 5287 : 1988
Certificate	: EN 14041 : 2004

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Test Report

No. SDHG1504005419FB **Date: May.05, 2015**

The following sample(s) was / were submitted and identified on behalf of the client as:

Sample Description	: WOOL TUFTED CARPET
Style / Item No.	: 61
Manufacturer	:
Sample Receiving Date	: Apr.21, 2015
Test Performing Date	: Apr.21, 2015 to May.05, 2015

Test Result Summary

No.	Test(s) Requested	Result(s)	Comments
1	EN 13501-1:2007+A1:2009(E)	Classification: B_{fl}—s1	/
For further details, please refer to the following page(s)			

Signed for and on behalf of
SGS-CSTC Co., Ltd.

Irvette Zhang
Approved signatory

Test Conducted

This test is conducted as per EN 13501-1:2007+A1:2009(E) Fire classification of construction products and building elements— Part 1: Classification using data from reaction to fire tests, Class B_{fl}. And the test methods as following:

1. EN ISO 9239-1:2010 Reaction to fire tests for floorings—Part 1: Determination of the burning behaviour using a radiant heat source.
2. EN ISO 11925-2:2010 Reaction to fire tests — Ignitability of building products subjected to direct impingement of flame — Part 2: Single-flame source test.

I. Details of classified product

Description

The details of the tested specimen given below have been prepared from information provided by the sponsor of the test. All values quoted are nominal, unless tolerances are given.

Name:	Wool tufted carpet
Color:	Beige
Area density:	3.22 kg/m^2
Thickness:	About 8 mm

II. Test Result

1. EN ISO 9239-1:2002 Reaction to fire tests for floorings - Part 1: Determination of the burning behaviour using a radiant heat source

Specimen No.	Furthest extent of spread of flame(mm)	Critical Heat Flux (CHF or HF-30) kW/m^2	Comments and Observation
1(Lengthwise)	70	≥11	Charring
2(Crosswise)	50	≥11	Charring
3(Lengthwise)	60	≥11	Charring
4(Lengthwise)	80	≥11	Charring
The mean value for the critical heat flux (CHF and/or HF-30) from the three specimens from the same orientation: ≥11 kW/m^2			
Smoking measurement			

SGS 检测专用章 Testing Service
SGS Guangzhou Standards Technical Services Co., Ltd.
Guangzhou Branch Dongguan Furniture Materials Laboratory
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中国·广东·佛山市顺德区大良街道办事处五沙顺和南路1号欧洲工业园一号厂房首层邮编: 528333 t (86-757)22805888 f (86-757)22805858 e sgs.china@sgs.com

Integrated smoke value: 0.823 %×min

2. EN ISO 11925-2: 2002 Reaction to fire tests — Ignitability of building products subjected to direct impingement of flame — Part 2: Single-flame source test

Ignition Position	Surface Ignition and Edge ignition
Flame Application Time	15s

Ignition Position: Surface Ignition

Expression of results	Specimen No. & Result					
	Lengthwise			Crosswise		
	1	2	3	4	5	6
Whether ignition occurs (Yes/No)	Yes	Yes	Yes	Yes	Yes	Yes
Whether the flame tip reaches 150 mm above the flame application point, and the time at which this occurs (No/Time)	No	No	No	No	No	No
Whether ignition of the filter paper occurs (Yes/No)	No	No	No	No	No	No

Ignition Position: Edge ignition

Expression of results	Specimen No. & Result					
	Lengthwise			Crosswise		
	1	2	3	4	5	6
Whether ignition occurs (Yes/No)	Yes	Yes	Yes	Yes	Yes	Yes
Whether the flame tip reaches 150 mm above the flame application point, and the time at which this occurs (No/Time)	No	No	No	No	No	No
Whether ignition of the filter paper occurs (Yes/No)	No	No	No	No	No	No

III. Classification and direct field of application

This classification has been carried out in accordance with **EN 13501-1:2007+A1:2009.**

Classification

The product, "WOOL TUFTED CARPET", classification is as following,

SGS 检测专用章 Testing Service
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Fire behaviour		Smoke production	
B_{fl}	—	s	1

Reaction to fire classification: B_{fl}—s1

Remark: The classes with their corresponding fire performance are given in annex A.
Reaction to fire classification is based on the 7-step scale of $A1_{fl}$ to F_{fl}, where $A1_{fl}$ is good and F_{fl} is bad.

Statement: The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

Warning: This classification report does not represent type approval or certification of the product. The test laboratory has, therefore, play no part in sampling the product for the test, although it holds appropriate references to the manufacturer's factory production control that is aimed to be relevant to the samples tested and that will provide for their traceability.

Annex A

Classes of reaction to fire performance for floorings

Class	Test method(s)	Classification criteria	Additional classification
$A1_{fl}$	EN ISO 1182 [a] and	$\Delta T \leq 30$ °C; and $\Delta m \leq 50$ %; and $t_f = 0$ (i.e. no sustained flaming)	-
	EN ISO 1716	$PCS \leq 2{,}0$ MJ/kg [a] and $PCS \leq 2{,}0$ MJ/kg [b] and $PCS \leq 1{,}4$ MJ/m^2 [c] and $PCS \leq 2{,}0$ MJ/kg [d]	-
$A2_{fl}$	EN ISO 1182 [a] or	$\Delta T \leq 50$ °C and $\Delta m \leq 50$ % and $t_f \leq 20$ s	-
	EN ISO 1716 and	$PCS \leq 3{,}0$ MJ/kg [a] and $PCS \leq 4{,}0$ MJ/m^2 [b] and $PCS \leq 4{,}0$ MJ/m^2 [c] and $PCS \leq 3{,}0$ MJ/kg [d]	-
	EN ISO 9239-1 [e]	Critical flux [f] $\geq 8{,}0$ kW/m^2	Smoke production [g]

B_{fl}	EN ISO 9239-1 [e] and	Critical flux [f] ≥ 8,0 kW/m^2	Smoke production [g]
	EN ISO 11925-2 [h]: Exposure = 15 s	*Fs* ≤ 150 mm within 20 s	-
C_{fl}	EN ISO 9239-1 [e] and	Critical flux [f] ≥ 4,5 kW/m^2	Smoke production [g]
	EN ISO 11925-2 [h]: Exposure = 15 s	*Fs* ≤ 150 mm within 20 s	
D_{fl}	EN ISO 9239-1 [e] and	Critical flux [f] ≥ 3,0 kW/m^2	Smoke production [g]
	EN ISO 11925-2 [h]: Exposure = 15 s	*Fs*≤150mm within 20 s	
E_{fl}	EN ISO 11925-2 [h]: Exposure = 15 s	Fs ≤ 150 mm within 20 s	
F_{fl}	No performance determined		

[a] For homogeneous products and substantial components of non-homogeneous products.
[b] For any external non-substantial component of non-homogeneous products.
[c] For any internal non-substantial component of non-homogeneous products.
[d] For the product as a whole.
[e] Test duration = 30 min.
[f] Critical flux is defined as the radiant flux at which the flame extinguishes or the radiant flux after a test period of 30 min, whichever is the lower (i.e. the flux corresponding with the furthest extent of spread of flame).
[g] **s1** = Smoke ≤ 750 % minutes;
s2 = not s1.
[h] Under conditions of surface flame attack and, if appropriate to the end use application of the product, edge flame attack

Photo Appendix:

End of Report

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SGS

Test Report

No.: HKSL1307148876TX

Date: Aug 09, 2013

The following sample was submitted and identified by the client as:

One sample of 100% wool "WB-collection" textured loop pile carpet in plain colour

Ref. No.	:	3575880
Country Of Origin	:	China
Sample Receiving Date	:	Jul 31, 2013
Test Performing Period	:	Aug 01, 2013 – Aug 09, 2013
Test Performed	:	Selected test(s) as requested by applicant (details please refer to result page(s).

* * * *

Test Results : Please refer to the next page(s).

Signed for and on behalf of
SGS Hong Kong Ltd.

Leung Po Wa, Nikita
Senior Account Executive

H28097549

Test Results :

Ignition Test on Textile Floor Coverings
(BS 4790:1987 Method 1/ BS 5287:1988, Hot metal nut method)

The test results relate only to the behavior of the test specimens after application of a small source of ignition; they shall not be used as a means of assessing how the product will contribute to an established fire.

Result:

Specimen	1	2	3	Req.
Radius of affected area on Use-surface (mm)	20	20	20	
Radius of affected area on Under-surface (mm)	15	15	15	
Greatest radius of the affected area (mm)	20			≤ 75
Time for ignition to reach the clamping ring (sec)	N/A	N/A	N/A	
Flame extinction time (sec)	34	32	34	
Duration of afterglow or smouldering (sec)	0	0	0	
Burn Code	SB+BB	SB+BB	SB+BB	

Remarks

1) DNI – Did not ignite; SB – Surface burn; BB – Base burn
1) Method of mounting test specimens: Method 1 - Loose-laid
1) N/A – Not applicable

Comment
The submitted sample complies with the requirement as stated in BS 5287:1988 – Assessment and Labeling of textile floor coverings – "A specimen shall be considered as satisfactory if the radius of the affected area is not greater than 75mm."

Labeling recommendation
For domestic use
For Domestic use the minimum information to be given on the manufacturer's label for domestic user shall be:

BS 5287 flammability (effects of a small ignition source) Loose- laid PASS

For contract use
For contract use the minimum information describing the observed behaviour under test shall be as below:

Radius of affected area (mm)	Information given on label
Up to 35	When tested according to the loose-laid method of BS 4790 this floor covering has a low radius (up to 35 mm) of effects of ignition.

*** End of Report ***

AEROQ

Certification Body for Construction Products

CERTIFICATE OF CONFORMITY

no.: AEROQ-018-CH-11

It has been stated that the construction product:

Wool Carpet

Pile hight: 4mm, 4.5mm, 5mm, 5.5mm, 6mm, 6.5mm, 7mm, 7.5mm, 8mm, 8.5mm, 9mm, 10mm, 11mm, 12mm

Intended use: construction

placed on the market by: **Carpet CO., Ltd**

headquartered in:

produced in the factory: **Carpet CO., Ltd**

headquartered in:

is submitted by the manufacturer to the initial type-testing of the product, a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan.

This certificate attests that all provisions concerning the attestation of conformity and the performances described in standard:

EN 14041:2004

were applied and that the product fulfils all the prescribed requirements.

First Issue Date	Expire Date
19.09.2011	30.09.2013

This certificate remains valid as long as the conditions laid down in the technical specification in reference or the manufacturing conditions in the factory or the factory production control itself are not modified significantly.

Director

eng.

Constantin AVRAM

AEROQ S.A. ROMANIA Bucuresti Societea Comerciala