Standard CARPETS

Olefin
Series

تائیدیه‌های سری اولفین
Laboratory standards and certifications

SONAR FLOORS

نماینده انحصاری
محصولات STANDARD CARPET در ایران

Standard CARPETS

SONAR FLOORS

نماینده انحصاری
محصولات STANDARD CARPET در ایران

Laboratory standards & certifications

استاندارد آنتی استاتیک
Static Propensity

استاندارد تاثیر بر صدا
Sound absorption level

استاندارد تغییر ابعاد
dimensional stability

استاندارد تغییر رنگ
Color Fastness

استاندارد جذب صدا
Impact sound insulation

استاندارد شعله وری
Flammability

استاندارد محیط زیست
VOC Emission

استاندارد مقاومت حرارتی
Thermal resistance

استاندارد نور تابشی
Critical Radiant Flux

3/8A

COMMERCIAL TESTING COMPANY
1215 South Hamilton Street · Post Office Box 985 · Dalton, GA 30722
Telephone (706) 278–3935 · Facsimile (706) 278–3936

Report Number 07–08302

Standard Carpets Ind. LLC
Sharjah, U.A.E.

Test Number 3926–9674
August 24, 2007

Electrostatic Propensity

Test Method: The test was conducted in accordance with the AATCC Test Method 134, *Electrostatic Propensity of Carpets*. The purpose of the test is to assess the static propensity of carpets under controlled laboratory conditions simulating those that may exist in actual installations. The most important factors in determining the static charge are: (1) the basic natures of the two materials being rubbed together or separated, i.e., shoe soles and carpet; (2) surface contamination on either; (3) the nature of the rubbing or separation, i.e., stepping or scuffing; and, (4) the ambient atmospheric contains. A sample is conditioned at 70°F and 20% relative humidity and the static properties characterized by performing the following tests:

- TEST I — The step test is performed by wearing AATCC TM 134 test sandals with Neolite™ soles and heels and walking on the carpet for one minute.
- TEST II — The scuff test is conducted by scuffing or wiping in a backward motion for one minute wearing test sandals with Neolite™ soles and heels.
- TEST III — The step test is performed by wearing test shoes with chrome tanned leather soles and heels and walking on the carpet for one minute.
- TEST IV — The scuff test is conducted by scuffing or wiping in a backward motion for one minute wearing test shoes with chrome tanned leather soles and heels.

Material Tested:

Identification: Graphics A
Construction: Loop Pile Carpet Tile
Secondary Backing: Vinyl

Test Conditions:

Environmental: 21.7°C, 20.8% RH
Underlayment: None
Shampoo: None

Test Result:

Test Mode	Polarity	Voltages
Test I — Step	negative	0.2 kV
Test II — Scuff	positive	0.3 kV
Test III — Step	negative	0.7 kV
Test IV — Scuff	negative	1.0 kV

Classification: A carpet classified in accordance with the CRI *Carpet Specifiers Handbook*, Appendix A, Carpet Test Methods and Suggested Physical Requirements, page 72, is suitable for residential use if the maximum voltage is 5.0 kV, and suitable for commercial use if the maximum voltage is 3.5 kV.

Commercial Testing Company

Denare Jackson

(Authorized Signature)

TESTED TO BE SURE® Since 1974

Mystique - PP

4/8A

COMMERCIAL TESTING COMPANY
1215 South Hamilton Street • Post Office Box 985 • Dalton, GA 30722
Telephone (706) 278–3935 • Facsimile (706) 278–3936

Report Number 07–08299

Standard Carpets Ind. LLC
Sharjah, U.A.E.

Test Number 3924–9578
August 24, 2007

Accelerated Soiling

Test Method: The material was tested in accordance with ASTM International Test Method D 6540–00, *Accelerated Soiling of Pile Yarn Floor Covering*, a procedure for assessing the propensity of pile yarn floor coverings to soiling in the absence of abrasive wear and texture changes, using a standard synthetic soil composition. It is applicable for use in testing unused pile yarn floor covering; it is not applicable for use in testing used floor covering. This test method will provide a uniformly soiled test specimen to evaluate and has been found to give results similar to the actual floor service soiling. However, its use is recommended only as a screening test method and not as a replacement for floor testing. The acceptance criteria of this method is set by mutual agreement between the purchaser and supplier. The carpet test specimens are secured to a backing sheet mounted inside a drum with the pile surface exposed, and are subjected to an accelerated soiling process. The degree of soiling is measured or assessed by comparing the change in color between soiled and original pile yarn floor covering using AATCC Evaluation Procedure 1, (Jumbo) Gray Scale for Color Change, a numeric rating process using AATCC terminology for Subjective Rating Processes where 5 = negligible or no change in color, 4 = slight change, 3 = noticeable change, 2 = considerable change, and 1 = much change in color.

Material Tested:

Identification: Graphics A
Construction: Loop Pile Carpet Tile
Secondary Backing: Vinyl

Test Result:

Average Rating — 3–4

Commercial Testing Company
Jonathan Jackson
(Authorized Signature)

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Mystique -PP

استاندارد آنتی استاتیک آمریکا

Independent Textile Testing Service, Inc.

Test No: 193591

PO Box 1948 - 1503 East Morris Street - Dalton, GA 30722
Phone: 706-278-3013 • Fax: 706-272-7057 • E-mail: info@ittslab.com

Test Report

Customer: Standard Carpets Ind. LLC

January 7, 2019

Subject: Sample(s) of carpet submitted for testing by the customer and identified below:

Sample Identification: Quality Name: Midlands
100% Solution Dyed Olefin Carpet Tile with PVC Backing

Test Method Conducted
AATCC 134-2011
Electrostatic Propensity of Carpets

Purpose and Scope

This test method is designed to assess the static generating propensity of carpets developed when a person walks across them by controlled laboratory simulation of conditions which may be met in practice, and more particularly, with respect to those conditions which are known from experience to be strongly contributory to excessive accumulation of static charges.

Test Conditions:
Chamber Temperature: 70° F.
Chamber Relative Humidity: 20%

Test Results:	Sole	Underlay	Maximum Voltage 1 (kV)	Maximum Voltage 2 (kV)	Averages (kV)
Test I Step Test	Neolite	Plate	Neg. 0.3	Neg. 0.3	Neg. 0.3
Test II Scuff Test	Neolite	Plate	Neg. 0.1	Neg. 0.2	Neg. 0.2
Test III Step Test	Leather	Plate	Neg. 0.1	--	--
Test IV Scuff Test	Leather	Plate	Neg. 0.1	--	--

Soles:
a) **Neolite XS 664**
b) **Suede Leather**

Underlayment:
a) **Plate: Earth grounded metal plate**
b) **H/J: Standard 40 oz./yd2 rubberized Hair/Jute cushion**

President L. Kent Suddeth

Page 1 of 1

استاندارد آنتی استاتیک

CEN
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BEL

Mr. Upendra R. Oza
STANDARD CARPETS IND LLC
Industrial Area no.1 PO Box 27977
AE- SHARJAH
VERENIGDE ARABISCHE EMIRATEN

your delivery of	your reference	our reference	date
2009-05-12		PW/5484	Zwijnaarde, 2009-06-11

Analysis Report 68886

Required tests :

Determination of the electrical resistance
Assessment of static electrical propensity - walking test
Determination of sound absorption
Determination of impact sound insulation
Determination of thermal resistance by the guarded hot plate apparatus

Identification number	Information given by the client	Date of receipt
T905007	FRS Loop Pile Polypropylene Carpet Tile (Tetris)	2009-05-12

Petra Wittevrongel
order responsible

For further information, please contact our sectorial adviser Jo Wynendaele

ISO 17025
BELAC
056-TEST

VAT BE 0459.218.289 Fin. Acc. 210-0472965-45 IBAN BE44 2100 4729 6545

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استاندارد آنتی استاتیک

CENTEXBEL

Analysis Report 68886

our reference	date	page
PW/5484	2009-06-11	2 / 6

Reference : **T905007 - FRS Loop Pile Polypropylene Carpet Tile (Tetris)**

Determination of the electrical resistance

1. Method:

Applied standard	: ISO 10965 (year: 1998)
Deviations of the standard	: -
Testing atmosphere	: 23°C and 25 % relative humidity
Applied voltage	: 500 Volt
Number of specimens	: 3
Number of measurements	: 6 (2 measurements per specimen)

2. Results:

Date of ending the test: 25-05-2009

test specimen	surface resistance in Ω	vertical resistance in Ω
1	$1{,}67 \times 10^{12}$	$9{,}43 \times 10^{11}$
2	$5{,}00 \times 10^{12}$	$1{,}35 \times 10^{12}$
3	$5{,}00 \times 10^{12}$	$1{,}28 \times 10^{13}$
4	$3{,}33 \times 10^{12}$	$6{,}58 \times 10^{11}$
5	$4{,}55 \times 10^{12}$	$1{,}28 \times 10^{12}$
6	$2{,}50 \times 10^{12}$	$1{,}25 \times 10^{12}$
geometrical mean value	$3{,}41 \times 10^{12}$ Ω	$1{,}61 \times 10^{12}$ Ω

Performed in the physical lab under the responsibility of Petra Wittevrongel.

استاندارد آنتی استاتیک

CENTEXBEL

Analysis Report 68886

our reference	date	page
PW/5484	2009-06-11	3 / 6

Reference : **T905007 - FRS Loop Pile Polypropylene Carpet Tile (Tetris)**

Assessment of static electrical propensity - walking test

1. Method:

Applied standard	: ISO 6356 (year: 2000) method by walking
Deviations of the standard	: dimensions of the carpet 200 cm x 100 cm (assembly of 8 pieces of 50 cm x 50 cm)
Atmosphere for conditioning	: 23°C and 25% relative humidity
Conditioning time	: at least 7 days
Number of measurements	: 3

2. Results:

Date of ending the test: 25-05-2009

	body voltage (kVolts)
measurement	with Neolite sole
1	0.0
2	0.1
3	0.2
average	0.1

Performed under accreditation in the physical lab under the responsibility of Philippe Lemaire.

استاندارد آنتی استاتیک

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Analysis Report 68886

our reference	date	page
PW/5484	2009-06-11	4 / 6

Reference : T905007 - FRS Loop Pile Polypropylene Carpet Tile (Tetris)

Determination of sound absorption

1. Method:

Performed in the external lab : Schall- und Wärmemeβstelle Aachen GmbH

2. Results:

Date of ending the test : 27-05-2009

See analysis report enclosed.

Centexbel is not responsible for the test results.

استاندارد آنتی استاتیک

CEN TEX BEL

Analysis Report 68886

our reference	date	page
PW/5484	2009-06-11	5 / 6

Reference : T905007 - FRS Loop Pile Polypropylene Carpet Tile (Tetris)

Determination of impact sound insulation

1. Method:

Performed in the external lab : Schall- und Wärmemeβstelle Aachen GmbH

2. Results:

Date of ending the test : 27-05-2009

See analysis report enclosed.

Centexbel is not responsible for the test results.

استاندارد آنتی استاتیک

CEN TEX BEL

Analysis Report 68886

our reference	date	page
PW/5484	2009-06-11	6 / 6

Reference : **T905007 - FRS Loop Pile Polypropylene Carpet Tile (Tetris)**

Determination of thermal resistance by the guarded hot plate apparatus

1. Method:

Performed in the external lab : Ghent University, Faculty of Engineering (Department of Textiles)

2. Results:

Date of ending the test : 29-05-2009

See analysis report enclosed.

Centexbel is not responsible for the test results.

استاندارد آنتی استاتیک

Schall- und Wärmemeßstelle Aachen GmbH

Institut für schalltechnische und wärmetechnische Prüfungen - Beratung - Planung

SWA GmbH
Im Grüntal 22 · 52 066 Aachen
Telefon (0241) 970 220
Telefax (0241) 572 956
Geschäftsführung:
Dipl.-Ing. Bernd Gebing
Dr.-Ing. Lothar Siebel
Amtsgericht Aachen · HRB 2708

Labor: Hauptstr. 133 · 52 477 Alsdorf

VMPA Schallschutzprüfstelle DIN 4109
Staatlich anerkannte Sachverständige
für den Schall-u. Wärmeschutz IK-Bau NRW

Bankverbindung: Sparkasse Aachen
(BLZ 390 500 00) Kto.-Nr. 11 011 194

27.05.2009

TEST REPORT NO. : CT190509B TS

Impact sound insulation of ISO 140-8 : 1998 - 03

Date of test:	19.05.2009
Customer:	CENTEXBEL
Tested material:	T905007

laid loose on a 140 mm thick reinforced concrete floor slab

استاندارد آنتی استاتیک

Test results	Enclosure TS
Impact sound insulation of ISO 140-8 : 1998 - 03 Measurement of impact sound insulation by a floor covering - on a solid strings-floor Customer: **CENTEXBEL**	Page 2 of 2

Tested material: **T905007**
Test rooms: 02 u. K2, Hauptstraße 133, 52 477 Alsdorf
Test area: 4,24 m x 4,15 m Test area of slab
Date of test: 19.05.2009

Description of the test material:

Total thickness: **- mm**

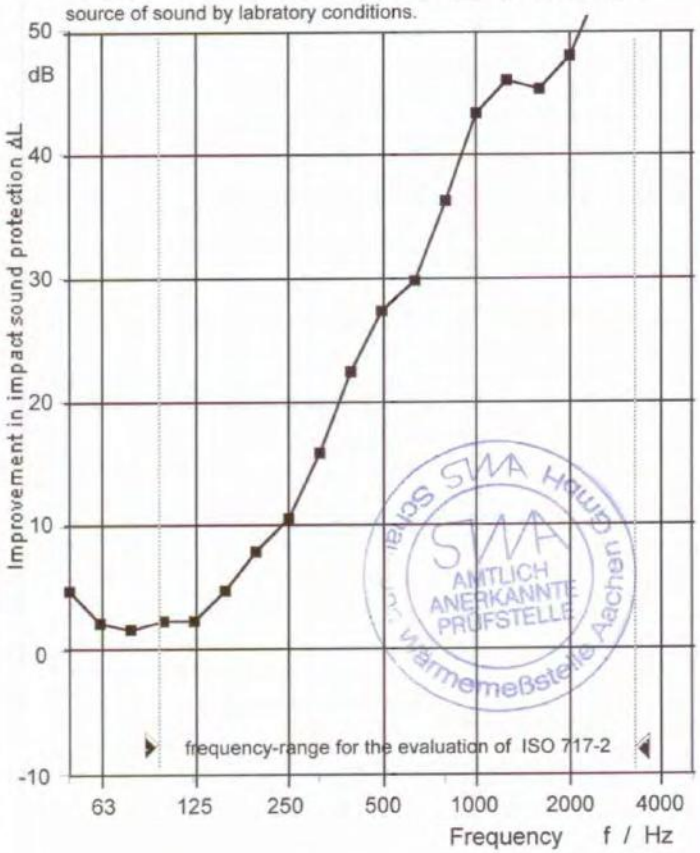
Mass / area: **- kg/m²**

laid loose on a 140 mm thick reinforced concrete floor slab

Receiving room:
Volume: 58,9 m³
Temperature: 20 °C
Humidity: 65 %

The results are based on tests, which were effected with on artificial source of sound by labratory conditions.

Frequency Hz	Ln Bare floor dB	ΔL dB
50		4,9
63		2,3
80		1,8
100	61,0	2,5
125	61,4	2,4
160	64,8	4,9
200	63,7	8,0
250	65,4	10,7
315	65,6	16,0
400	66,1	22,4
500	66,0	27,3
630	66,4	29,8
800	66,3	36,4
1000	66,2	43,4
1250	66,6	46,0
1600	67,2	45,3
2000	67,1	47,9
2500	67,0	53,7
3150	66,4	54,2
4000		---
5000		---



Reception filter: third-octave
Calculation according ISO 717-2:

Impact sound improvement index	non rated reduction of impact sound insulation	
ΔL_W = **24 dB**	$\Delta L_{lin} = \Delta L_w + C_{I,\Delta}$	$C_{I,\Delta}$ = -12 dB
(VM = **24 dB**)	ΔL_{lin} = **12 dB**	$C_{I,r}$ = 1 dB
		$C_{I,r,50\text{-}2500}$ = 4 dB

Test report no.: **CT190509B TS**
Aachen 27.05.2009

SWA Schall- und Wärmemeßstelle Aachen GmbH

(Dipl.-Ing. A. Siebel) (Dr.-Ing. L. Siebel)

استاندارد آنتی استاتیک

Schall- und Wärmemeßstelle Aachen GmbH

Institut für schalltechnische und wärmetechnische Prüfungen - Beratung - Planung

SWA GmbH
Im Grüntal 22 · 52 066 Aachen
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Geschäftsführung:
Dipl.-Ing. Bernd Gebing
Dr.-Ing. Lothar Siebel
Amtsgericht Aachen · HRB 2708

Labor: Hauptstr. 133 · 52 477 Alsdorf

VMPA Schallschutzprüfstelle DIN 4109
Staatlich anerkannte Sachverständige
für den Schall-u. Wärmeschutz IK-Bau NRW

Bankverbindung: Sparkasse Aachen
(BLZ 390 500 00) Kto.-Nr. 11 011 194

27.05.2009

TEST REPORT NO. : CT190509B SA

Sound absorption of DIN EN ISO 354 : 2003 - 12

Date of test:	19.05.2009
Customer:	CENTEXBEL
Tested material:	T905007
	laid loose on the floor of the reverberation room

استاندارد آنتی استاتیک

4. Test results	Enclosure SA
Sound absorption DIN EN ISO 354 : 2003 - 12 Measurement of sound absorption in a reverberation room Customer: **CENTEXBEL**	Page 2 of 4

Tested material: **article:** **T905007**
Test room: reverberation room, Hauptstraße 133, 52 477 Alsdorf
Test area: 12,0 m²
Test method: method of reverberation room
Date of test: 19.05.2009

Description of the test material:

Total thickness: **- mm**

Mass / area: **- kg/m²**

laid loose on the floor of the reverberation room

Dimension of the test area:

length: 4,00 m
width: 3,00 m

Reverberation room:

Basic plan: trapezoid

Volume: 211 m³

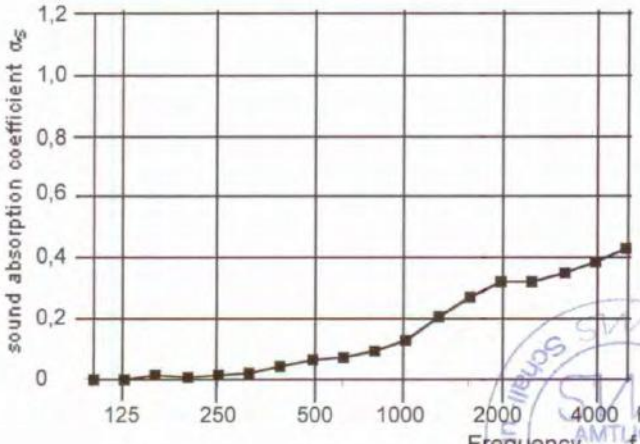
Temperature: 20 °C
Humidity: 65 %

f / Hz	125	250	500	1000	2000	4000
α_s	**0,00**	**0,01**	**0,06**	**0,13**	**0,32**	**0,39**

Surface areas of reverberation room: 213 m²

Surface areas of reflectors in reverberation room: 54,5 m²

Reflectors:
6 Alu panels of 1,0 m/ 2,0 m
7 Plywood panels of 1,5 m/ 1,3 m
1 Alu panels of 1,8 m/ 0,9 m



Test sound: third-octave noise
Reception filter: third-octave

Test report no.: CT190509B SA Aachen 27.05.2009	SWA Schall- und Wärmemeßstelle Aachen GmbH (Dipl.-Ing. A. Siebel) (Dr.-Ing. L. Siebel)

استاندارد آنتی استاتیک

4.1 Valuation of test results

Enclosure SA

Page 3 of 4

Soundabsorber for the application in buildings - valuation of sound absorbtion
Sound absorption of DIN EN ISO 11654 : 1997- 07

Customer: **CENTEXBEL**

Tested material: **article:** **T905007**
Test room: reverberation room, Hauptstraße 133, 52 477 Alsdorf
Test area: 12,0 m²
Test method: method of reverberation room
Date of test: 19.05.2009

Description of the test material:

Total thickness: - **mm**

Mass / area: - **kg/m²**

laid loose on the floor of the reverberation room

frequency - range of the "shapeindi-cators"

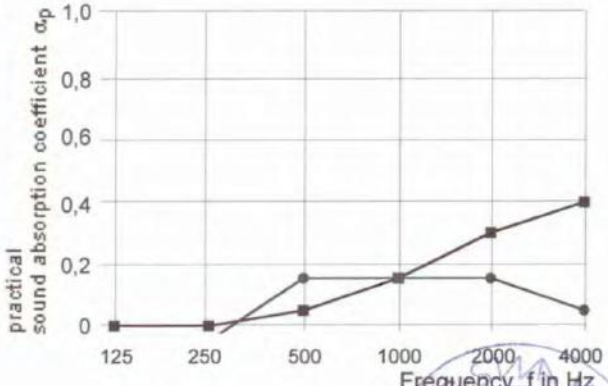
	Frequency in Hz	pactical sound absorption coefficient
	125	0,00
L	250	0,00
M	500	0,05
M	1000	0,15
H	2000	0,30
H	4000	0,40

Results:
Relation - curve:

Reverberation room:
Basic plan: trapezoid
Volume: 211 m³
Temperature: 20 °C
Humidity: 65 %

Surfaces areas of reverberation room: 213 m²

Surfaces areas of reflectors in reverberation room: 54,5 m²



Evaluated sound absorptions grade α_w

α_w : **0,15 (- - H)** *)

*) It is recommended insistently to use this singular valuation with complete curve of sound absorption garde.

Test report no.: **CT190509B SA**

Aachen 27.05.2009

SWA Schall- und Wärmemeßstelle Aachen GmbH

(Dipl.-Ing. A. Siebel) (Dr.-Ing. L. Siebel)

استاندارد آنتی استاتیک

4.2 Test results	Enclosure SA
Reverberation times Measurement of sound absorption in a reverberation room Customer: **CENTEXBEL**	Page 4 of 4

Tested material: **article:** **T905007**
Test room: reverberation room, Hauptstraße 133, 52 477 Alsdorf
Test area: 12,0 m²
Test method: method of reverberation room
Date of test: 19.05.2009

Description of the test material:

Total thickness: - **mm**

Mass / area: - **kg/m²**

laid loose on the floor of the reverberation room
Dimension of the test area:
length: 4,00 m
width: 3,00 m

Reverberation times:

f / Hz	T1 / s	T2 / s
100	9,96	9,91
125	7,82	7,79
160	6,73	6,48
200	7,29	7,10
250	7,20	6,98
315	6,22	5,95
400	6,57	6,02
500	6,89	6,00
630	6,93	5,87
800	6,55	5,39
1000	6,48	5,00
1250	6,31	4,34
1600	5,93	3,79
2000	5,42	3,38
2500	4,65	3,05
3150	3,99	2,68
4000	3,24	2,26
5000	2,59	1,86

SWA Schall- und Wärmemeßstelle Aachen GmbH
SWA AMTLICH ANERKANNTE PRÜFSTELLE

Number of loudspeaker positions: 2 — Test sound: third-octave noise
Number of microphone positions: 2 x 6 — Reception filter: third-octave

Test report no.: CT190509B SA Aachen 27.05.2009	SWA Schall- und Wärmemeßstelle Aachen GmbH

استاندارد آنتی استاتیک

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contact	e-mail	date
Didier Van Daele	didier.vandaele@UGent.be	29/05/2009

TEST REPORT 09-297 B

Samples received :

Order 7489: T905007
Received on 12/05/09

Aim of the test :

determination of applicability with floorheating

Test conditions :

Applicability with floorheating by means of TECOSY : one plate method

Standard:	DIN 52 612 part 1 (1979)° in accordance with ISO 8302 (1991)°
Method:	A sample is placed between a cold and a warm plate. The cold and the warm plate are kept at the same temperature. The quantity of energy needed to keep the warm and cold plate on temperature, is an indication for the heat transmission of the sample.
Number of tests:	2 samples (3 measurements per sample)
Test conditions:	20 ± 2°C and 65 ± 4 % relative humidity

The tests were ended in week 22/2009

استاندارد تاثیر بر صدا

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Mr. Upendra R. Oza
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Industrial Area no.1 PO Box 27977
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VERENIGDE ARABISCHE EMIRATEN

your delivery of	your reference	our reference	date
2009-05-12		PW/5484	Zwijnaarde, 2009-06-11

Analysis Report 68886

Required tests :

Determination of the electrical resistance
Assessment of static electrical propensity - walking test
Determination of sound absorption
Determination of impact sound insulation
Determination of thermal resistance by the guarded hot plate apparatus

Identification number	Information given by the client	Date of receipt
T905007	FRS Loop Pile Polypropylene Carpet Tile (Tetris)	2009-05-12

Petra Wittevrongel
order responsible

For further information, please contact our sectorial adviser Jo Wynendaele

ISO 17025
BELAC
056-TEST

VAT BE 0459.218.289 Fin. Acc. 210-0472965-45 IBAN BE44 2100 4729 6545

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استاندارد تاثیر بر صدا

CEN TEX BEL

Analysis Report 68886

our reference	date	page
PW/5484	2009-06-11	2 / 6

Reference : **T905007 - FRS Loop Pile Polypropylene Carpet Tile (Tetris)**

Determination of the electrical resistance

1. Method:

Applied standard : ISO 10965 (year: 1998)
Deviations of the standard : -
Testing atmosphere : 23°C and 25 % relative humidity
Applied voltage : 500 Volt
Number of specimens : 3
Number of measurements : 6 (2 measurements per specimen)

2. Results:

Date of ending the test: 25-05-2009

test specimen	surface resistance in Ω	vertical resistance in Ω
1	$1{,}67 \times 10^{12}$	$9{,}43 \times 10^{11}$
2	$5{,}00 \times 10^{12}$	$1{,}35 \times 10^{12}$
3	$5{,}00 \times 10^{12}$	$1{,}28 \times 10^{13}$
4	$3{,}33 \times 10^{12}$	$6{,}58 \times 10^{11}$
5	$4{,}55 \times 10^{12}$	$1{,}28 \times 10^{12}$
6	$2{,}50 \times 10^{12}$	$1{,}25 \times 10^{12}$
geometrical mean value	$3{,}41 \times 10^{12}$ Ω	$1{,}61 \times 10^{12}$ Ω

Performed in the physical lab under the responsibility of Petra Wittevrongel.

استاندارد تاثیر بر صدا

CENTEXBEL

Analysis Report 68886

our reference	date	page
PW/5484	2009-06-11	3 / 6

Reference : **T905007 - FRS Loop Pile Polypropylene Carpet Tile (Tetris)**

Assessment of static electrical propensity - walking test

1. Method:

Applied standard : ISO 6356 (year: 2000)
method by walking
Deviations of the standard : dimensions of the carpet 200 cm x 100 cm (assembly of 8 pieces of 50 cm x 50 cm)
Atmosphere for conditioning : 23°C and 25% relative humidity
Conditioning time : at least 7 days
Number of measurements : 3

2. Results:

Date of ending the test: 25-05-2009

	body voltage (kVolts)
measurement	with Neolite sole
1	0.0
2	0.1
3	0.2
average	0.1

Performed under accreditation in the physical lab under the responsibility of Philippe Lemaire.

استاندارد تاثیر بر صدا

CEN TEX BEL

Analysis Report 68886

our reference	date	page
PW/5484	2009-06-11	4 / 6

Reference : T905007 - FRS Loop Pile Polypropylene Carpet Tile (Tetris)

Determination of sound absorption

1. Method:

Performed in the external lab : Schall- und Wärmemeβstelle Aachen GmbH

2. Results:

Date of ending the test : 27-05-2009

See analysis report enclosed.

Centexbel is not responsible for the test results.

استاندارد تاثیر بر صدا

CEN TEX BEL

Analysis Report 68886

our reference	date	page
PW/5484	2009-06-11	5 / 6

Reference : T905007 - FRS Loop Pile Polypropylene Carpet Tile (Tetris)

Determination of impact sound insulation

1. Method:

Performed in the external lab : Schall- und Wärmemeβstelle Aachen GmbH

2. Results:

Date of ending the test : 27-05-2009

See analysis report enclosed.

Centexbel is not responsible for the test results.

استاندارد تاثیر بر صدا

CEN TEX BEL

Analysis Report 68886

our reference	date	page
PW/5484	2009-06-11	6 / 6

Reference : **T905007 - FRS Loop Pile Polypropylene Carpet Tile (Tetris)**

Determination of thermal resistance by the guarded hot plate apparatus

1. Method:

Performed in the external lab : Ghent University, Faculty of Engineering (Department of Textiles)

2. Results:

Date of ending the test : 29-05-2009

See analysis report enclosed.

Centexbel is not responsible for the test results.

استاندارد تاثیر بر صدا

Schall- und Wärmemeßstelle Aachen GmbH

Institut für schalltechnische und wärmetechnische Prüfungen - Beratung - Planung

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Geschäftsführung:
Dipl.-Ing. Bernd Gebing
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VMPA Schallschutzprüfstelle DIN 4109
Staatlich anerkannte Sachverständige
für den Schall-u. Wärmeschutz IK-Bau NRW

Bankverbindung: Sparkasse Aachen
(BLZ 390 500 00) Kto.-Nr. 11 011 194

27.05.2009

TEST REPORT NO. : CT190509B TS

Impact sound insulation of ISO 140-8 : 1998 - 03

Date of test:	19.05.2009
Customer:	CENTEXBEL
Tested material:	T905007

laid loose on a 140 mm thick reinforced concrete floor slab

استاندارد تاثیر بر صدا

Test results	Enclosure TS
Impact sound insulation of ISO 140-8 : 1998 - 03 Measurement of impact sound insulation by a floor covering - on a solid strings-floor Customer: **CENTEXBEL**	Page 2 of 2

Tested material: **T905007**
Test rooms: 02 u. K2, Hauptstraße 133, 52 477 Alsdorf
Test area: 4,24 m x 4,15 m Test area of slab
Date of test: 19.05.2009

Description of the test material:

Total thickness: **- mm**

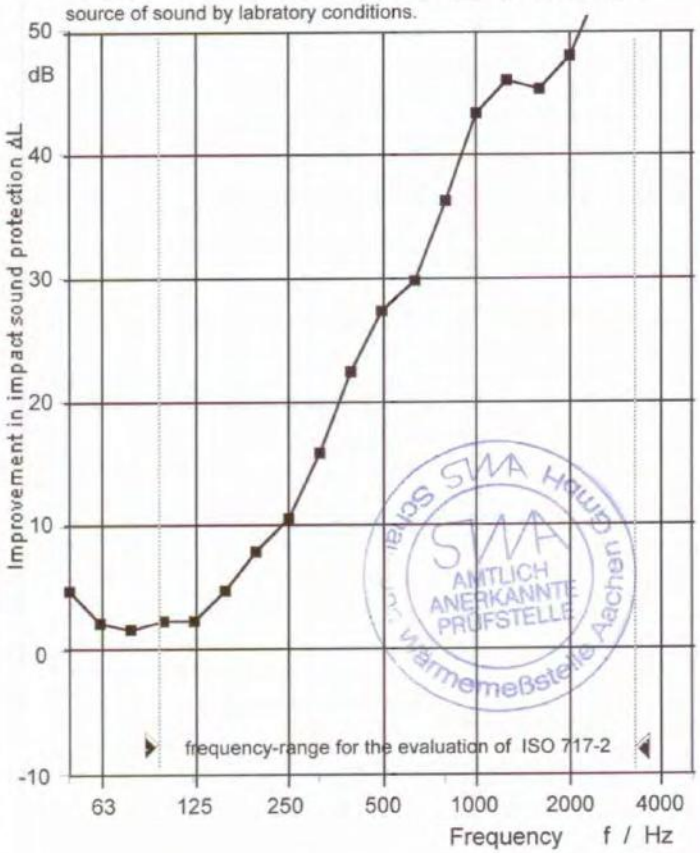
Mass / area: **- kg/m²**

laid loose on a 140 mm thick reinforced concrete floor slab

Receiving room:
Volume: 58,9 m³
Temperature: 20 °C
Humidity: 65 %

The results are based on tests, which were effected with on artificial source of sound by labratory conditions.

Frequency Hz	Ln Bare floor dB	ΔL dB
50		4,9
63		2,3
80		1,8
100	61,0	2,5
125	61,4	2,4
160	64,8	4,9
200	63,7	8,0
250	65,4	10,7
315	65,6	16,0
400	66,1	22,4
500	66,0	27,3
630	66,4	29,8
800	66,3	36,4
1000	66,2	43,4
1250	66,6	46,0
1600	67,2	45,3
2000	67,1	47,9
2500	67,0	53,7
3150	66,4	54,2
4000		---
5000		---



Reception filter: third-octave
Calculation according ISO 717-2:

Impact sound improvement index	non rated reduction of impact sound insulation	
ΔL_W = **24 dB**	$\Delta L_{lin} = \Delta L_w + C_{I,\Delta}$	$C_{I,\Delta}$ = -12 dB
(VM = **24 dB**)	ΔL_{lin} = **12 dB**	$C_{I,r}$ = 1 dB
		$C_{I,r,50\text{-}2500}$ = 4 dB

Test report no.: **CT190509B TS**
Aachen 27.05.2009

SWA Schall- und Wärmemeßstelle Aachen GmbH

(Dipl.-Ing. A. Siebel) (Dr.-Ing. L. Siebel)

استاندارد تاثیر بر صدا

Schall- und Wärmemeßstelle Aachen GmbH

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Bankverbindung: Sparkasse Aachen
(BLZ 390 500 00) Kto.-Nr. 11 011 194

27.05.2009

TEST REPORT NO. : CT190509B SA

Sound absorption of DIN EN ISO 354 : 2003 - 12

Date of test:	19.05.2009
Customer:	CENTEXBEL
Tested material:	T905007
	laid loose on the floor of the reverberation room

استاندارد تاثیر بر صدا

4. Test results	Enclosure SA
Sound absorption DIN EN ISO 354 : 2003 - 12 Measurement of sound absorption in a reverberation room Customer: **CENTEXBEL**	Page 2 of 4

Tested material: **article:** **T905007**
Test room: reverberation room, Hauptstraße 133, 52 477 Alsdorf
Test area: 12,0 m²
Test method: method of reverberation room
Date of test: 19.05.2009

Description of the test material:

Total thickness: **- mm**

Mass / area: **- kg/m²**

laid loose on the floor of the reverberation room
Dimension of the test area:

length: 4,00 m
width: 3,00 m

Reverberation room:

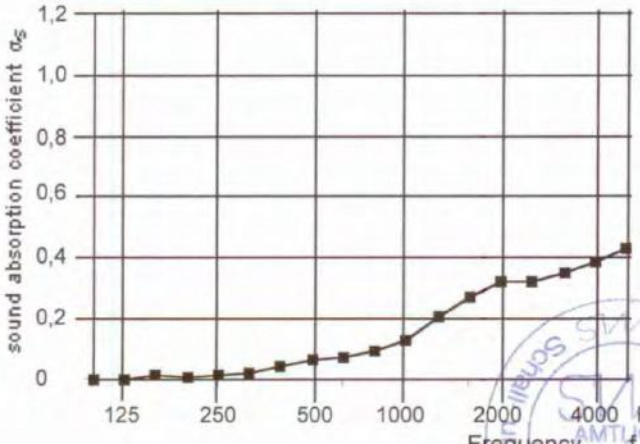
Basic plan: trapezoid
Volume: 211 m³
Temperature: 20 °C
Humidity: 65 %

f / Hz	125	250	500	1000	2000	4000
α_s	**0,00**	**0,01**	**0,06**	**0,13**	**0,32**	**0,39**

Surface areas of reverberation room: 213 m²

Surface areas of reflectors in reverberation room: 54,5 m²

Reflectors:
6 Alu panels of 1,0 m/ 2,0 m
7 Plywood panels of 1,5 m/ 1,3 m
1 Alu panels of 1,8 m/ 0,9 m



Test sound: third-octave noise
Reception filter: third-octave

Test report no.: CT190509B SA Aachen 27.05.2009	SWA Schall- und Wärmemeßstelle Aachen GmbH (Dipl.-Ing. A. Siebel) (Dr.-Ing. L. Siebel)

استاندارد تاثیر بر صدا

4.1 Valuation of test results

Enclosure SA

Page 3 of 4

Soundabsorber for the application in buildings - valuation of sound absorbtion
Sound absorption of DIN EN ISO 11654 : 1997- 07

Customer: **CENTEXBEL**

Tested material: **article:** **T905007**
Test room: reverberation room, Hauptstraße 133, 52 477 Alsdorf
Test area: 12,0 m²
Test method: method of reverberation room
Date of test: 19.05.2009

Description of the test material:

Total thickness: - **mm**

Mass / area: - **kg/m²**

laid loose on the floor of the reverberation room

frequency - range of the "shapeindi-cators"

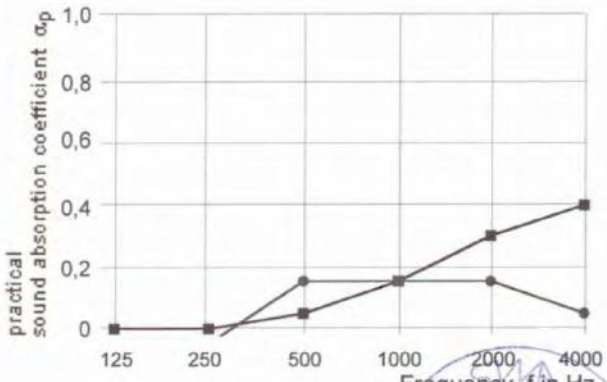
	Frequency in Hz	pactical sound absorption coefficient
	125	0,00
L	250	0,00
M	500	0,05
M	1000	0,15
H	2000	0,30
H	4000	0,40

Results:
Relation - curve:

Reverberation room:
Basic plan: trapezoid
Volume: 211 m³
Temperature: 20 °C
Humidity: 65 %

Surfaces areas of reverberation room: 213 m²

Surfaces areas of reflectors in reverberation room: 54,5 m²



Evaluated sound absorptions grade α_w

α_w : **0,15 (- - H)** *)

*) It is recommended insistently to use this singular valuation with complete curve of sound absorption garde.

Test report no.: **CT190509B SA**

Aachen 27.05.2009

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4.2 Test results	Enclosure SA
Reverberation times Measurement of sound absorption in a reverberation room Customer: **CENTEXBEL**	Page 4 of 4

Tested material: **article:** **T905007**
Test room: reverberation room, Hauptstraße 133, 52 477 Alsdorf
Test area: 12,0 m²
Test method: method of reverberation room
Date of test: 19.05.2009

Description of the test material:
Total thickness: - **mm**
Mass / area: - **kg/m²**

laid loose on the floor of the reverberation room
Dimension of the test area:
length: 4,00 m
width: 3,00 m

Reverberation times:

f / Hz	T1 / s	T2 / s
100	9,96	9,91
125	7,82	7,79
160	6,73	6,48
200	7,29	7,10
250	7,20	6,98
315	6,22	5,95
400	6,57	6,02
500	6,89	6,00
630	6,93	5,87
800	6,55	5,39
1000	6,48	5,00
1250	6,31	4,34
1600	5,93	3,79
2000	5,42	3,38
2500	4,65	3,05
3150	3,99	2,68
4000	3,24	2,26
5000	2,59	1,86

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SWA AMTLICH ANERKANNTE PRÜFSTELLE

Number of loudspeaker positions: 2 — Test sound: third-octave noise
Number of microphone positions: 2 x 6 — Reception filter: third-octave

Test report no.: **CT190509B SA**	SWA Schall- und Wärmemeßstelle Aachen GmbH
Aachen 27.05.2009	

استاندارد تاثیر بر صدا

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contact	e-mail	date
Didier Van Daele	didier.vandaele@UGent.be	29/05/2009

TEST REPORT 09-297 B

Samples received :

Order 7489: T905007
Received on 12/05/09

Aim of the test :

determination of applicability with floorheating

Test conditions :

Applicability with floorheating by means of TECOSY : one plate method

Standard:	DIN 52 612 part 1 (1979)° in accordance with ISO 8302 (1991)°
Method:	A sample is placed between a cold and a warm plate. The cold and the warm plate are kept at the same temperature. The quantity of energy needed to keep the warm and cold plate on temperature, is an indication for the heat transmission of the sample.
Number of tests:	2 samples (3 measurements per sample)
Test conditions:	20 ± 2°C and 65 ± 4 % relative humidity

The tests were ended in week 22/2009

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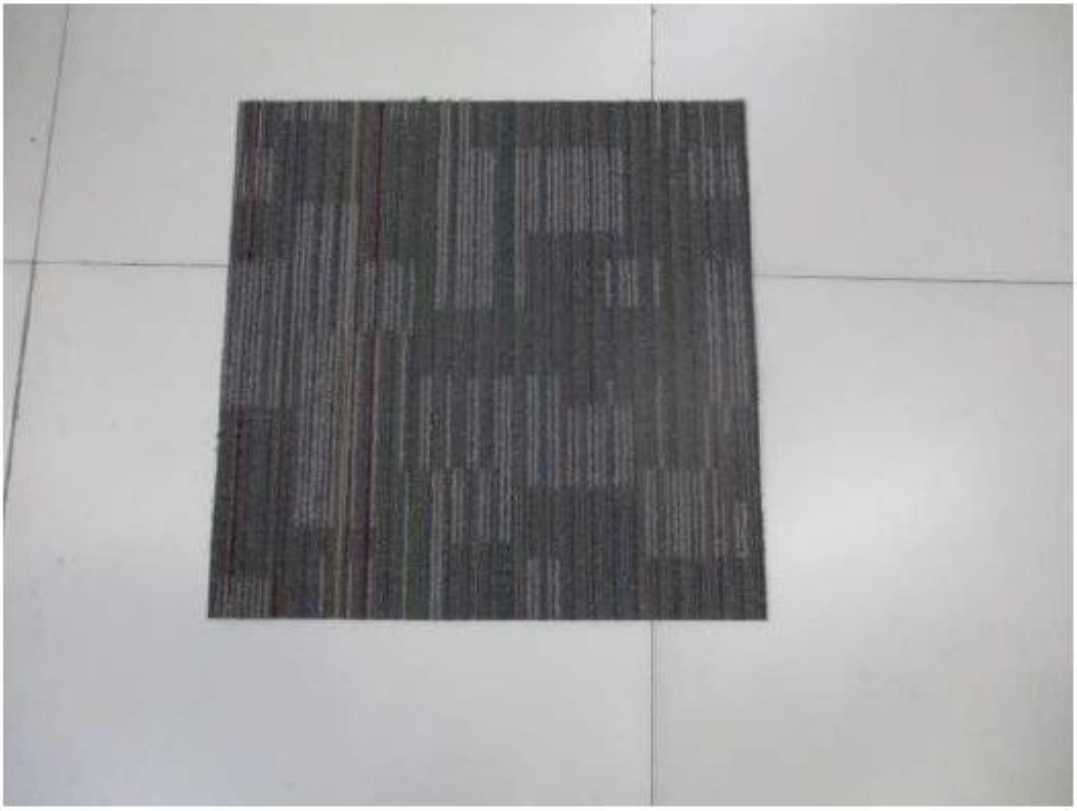

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TEST REPORT

ULR - TC-566320120063680P

NUMBER : DELT20063680
DATE : 17-Oct-2020

APPLICANT : **STANDARD CARPETS IND,LLC**
Plot No-5315801,, Plot No-5315801, Dubai,
-, United Arabs Emirates
ATTN : **Sahil Passi**

Sample Description : Ten piece of submitted (2.5 m2) 100% Solution Dyed Polypropylene Carpet Tile sample.

Applicant Provided Care Instructions :
Vacuum clean

Date Received/date Test Started : 06 Oct 2020
Date Confirmation Received : 06 Oct 2020
Buyer : NOT PROVIDED
Country of Origin : India
P.O.No : -
Fiber Content :
End Uses : Carpet
Style : -
Color : Multi
Manufacturer's Name : Standard Carpets Ind,llc
Article No :

TEST CONDUCTED : AS PER THE REQUEST OF THE APPLICANT. FOR FURTHER DETAILS PLEASE REFER TO ENCLOSED PAGE(S)

Azo-dyes

TESTED SAMPLE	STANDARD	RESULT
Submitted Sample in color Red+Grey+Green Pile	AZO COLOURANTS AZO COLOURANTS CONTENT REQUIREMENT IN ANNEX XVII ITEM 43 OF THE REACH REGULATION (EC) NO. 1907/2006 & AMENDMENT NO. 552/2009	PASS
Submitted Sample in color Blue+Yellow Pile	AZO COLOURANTS AZO COLOURANTS CONTENT REQUIREMENT IN ANNEX XVII ITEM 43 OF THE REACH REGULATION (EC) NO. 1907/2006 & AMENDMENT NO. 552/2009	PASS
Submitted Sample in color Dark Grey+Grey Pile	AZO COLOURANTS AZO COLOURANTS CONTENT REQUIREMENT IN ANNEX XVII ITEM 43 OF THE REACH REGULATION (EC) NO. 1907/2006 & AMENDMENT NO. 552/2009	PASS

AUTHORIZED BY
FOR Intertek India Private Limited [Gurgaon]

SANJAY KUMAR
DY.LAB MANAGER

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TEST REPORT

ULR - TC-566320120063680P
NUMBER : DELT20063680
DATE : 17-Oct-2020

CONCLUSION :

Fiber Identification/Composition- 2 Fibre	**
Appearance After Care	**
Dimensions	**
Colour Fastness to Rubbing	**
Color Fastness to Water	**
Colour Fastness to Light Grade 4	**
Tuft Withdrawal	**
Colorfastness to Shampooing	**
Allergenous Dye	**
Delamination	N/A
Cadmium	**
Carcinogenic Dyes	**
Formaldehyde	**
Flammability Test For Carpets & Rugs	M
Flammability	**

NOTE:

M = MEETS REQUIREMENT,	F = FAILS TO MEET REQUIREMENT
* = REQUIREMENT NOT PROVIDED,	NA = NOT APPLICABLE
# = EXEMPTED,	NC = NO COMMENT,
SC = SEE COMMENT	** = REFER RESULT
## = NOT PERFORMED	MA = MARGINAL ACCEPTANCE
NR = NOT REQUESTED	D = DATA ONLY
C = CONFIRM LABEL	

REMARKS :
Test methods are provided by the applicant.

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TEST REPORT

ULR - TC-566320120063680P
NUMBER : DELT20063680
DATE : 17-Oct-2020

TEST CONDUCTED (AS REQUESTED BY THE APPLICANT)

1. Fiber Identification/Composition- 2 Fibre
ISO 1833-1:2006

		Requirement
FIBRE COMPOSITION (ON PRODUCT BASIS) :		
:	Pile: 100% Polypropylene	Not Provided

REMARK:
Recommended fibre composition:
Pile: 100% Polypropylene

2. Appearance After Care
vacuum clean

		Requirement
Colour Change	5	Not Provided

OBSERVATION :
. Slight colour change was observed.

3. Dimensions
ISO 3018 :1974

		Requirement
Length	19.75"	Not Provided
Width	19.75"	

4. Colour Fastness to Rubbing
ISO 105x12:2016

		Requirement
Dry	4-5	Not Provided
Wet	4-5	

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NUMBER : DELT20063680
DATE : 17-Oct-2020

5. Color Fastness to Water
ISO 105-E01

			Requirement
Colour Change		4	Not Provided
COLOUR STAINING	Acetate	4-5	Not Provided
	Cotton	4-5	
	Nylon	4-5	
	Polyester	4-5	
	Acrylic	4-5	
	Wool	4-5	
Self Staining		5	

6. Colour Fastness to Light Grade 4
ISO 105 B02 : 2014

			Requirement
UPTO GRADE 4	Grade	4	Not Provided

7. Tuft Withdrawal
ISO 4919:2012

		Requirement
	33 N [Withdrawal]	Not Provided

8. Colorfastness to Shampooing
ISO 18168

		Requirement
Change in Colour	4	Not Provided
Staining of Cotton	4-5	Not Provided
Staining of Polyester	4-5	
Self Staining	5	

9. Allergenous Dye
- (21)) DIN 54321 (Harmful materials EC 552 HPLC analysis)

	Maronn+Grey+Green Pile	Requirement
Disperse Orange 149	Not Detected	Not Provided
Disperse Blue 1	Not Detected	

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TEST REPORT

ULR - TC-566320120063680P
NUMBER : DELT20063680
DATE : 17-Oct-2020

Disperse Blue 3	Not Detected
Disperse Blue 7	Not Detected
Disperse Blue 26	Not Detected
Disperse Blue 35	Not Detected
Disperse Blue 102	Not Detected
Disperse Blue 106	Not Detected
Disperse Blue 124	Not Detected
Disperse Orange 1	Not Detected
Disperse Orange 3	Not Detected
Disperse Orange 37/76	Not Detected
Disperse Red 1	Not Detected
Disperse Red 11	Not Detected
Disperse Red 17	Not Detected
Disperse Yellow 1	Not Detected
Disperse Yellow 3	Not Detected
Disperse Yellow 9	Not Detected
Disperse Yellow 39	Not Detected
Disperse Yellow 49	Not Detected
Disperse Brown 1	Not Detected
Disperse Yellow 23	Not Detected
Disperse Orange 37/76/59	Not Detected
Disperse Orange 37	Not Detected
Disperse Orange 76	Not Detected
Disperse Orange 59	Not Detected
Basic Blue 26	Not Detected
Disperse Yellow 14	Not Detected
Basic Red 46	Not Detected
Naphtol As Reative	Not Detected
Acid Red 14 (Carminique Acid Natural)	Not Detected
Basic Violet 3	Not Detected
Basic Violet 1	Not Detected
Basic Green 4	Not Detected
Disperse Blue 291	Not Detected
Disperse Violet 93	Not Detected
Disperse Yellow 64	Not Detected

	Blue+Golden Pile	Requirement
Disperse Orange 149	Not Detected	Not Provided
Disperse Blue 1	Not Detected	
Disperse Blue 3	Not Detected	
Disperse Blue 7	Not Detected	
Disperse Blue 26	Not Detected	
Disperse Blue 35	Not Detected	
Disperse Blue 102	Not Detected	
Disperse Blue 106	Not Detected	
Disperse Blue 124	Not Detected	
Disperse Orange 1	Not Detected	

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TEST REPORT

ULR - TC-566320120063680P
NUMBER : DELT20063680
DATE : 17-Oct-2020

Disperse Orange 3	Not Detected
Disperse Orange 37/76	Not Detected
Disperse Red 1	Not Detected
Disperse Red 11	Not Detected
Disperse Red 17	Not Detected
Disperse Yellow 1	Not Detected
Disperse Yellow 3	Not Detected
Disperse Yellow 9	Not Detected
Disperse Yellow 39	Not Detected
Disperse Yellow 49	Not Detected
Disperse Brown 1	Not Detected
Disperse Yellow 23	Not Detected
Disperse Orange 37/76/59	Not Detected
Disperse Orange 37	Not Detected
Disperse Orange 76	Not Detected
Disperse Orange 59	Not Detected
Basic Blue 26	Not Detected
Disperse Yellow 14	Not Detected
Basic Red 46	Not Detected
Naphtol As Reative	Not Detected
Acid Red 14 (Carminique Acid Natural)	Not Detected
Basic Violet 3	Not Detected
Basic Violet 1	Not Detected
Basic Green 4	Not Detected
Disperse Blue 291	Not Detected
Disperse Violet 93	Not Detected
Disperse Yellow 64	Not Detected

Dark Grey+Lt. Grey
Pile

		Requirement
Disperse Orange 149	Not Detected	Not Provided
Disperse Blue 1	Not Detected	
Disperse Blue 3	Not Detected	
Disperse Blue 7	Not Detected	
Disperse Blue 26	Not Detected	
Disperse Blue 35	Not Detected	
Disperse Blue 102	Not Detected	
Disperse Blue 106	Not Detected	
Disperse Blue 124	Not Detected	
Disperse Orange 1	Not Detected	
Disperse Orange 3	Not Detected	
Disperse Orange 37/76	Not Detected	
Disperse Red 1	Not Detected	
Disperse Red 11	Not Detected	
Disperse Red 17	Not Detected	
Disperse Yellow 1	Not Detected	
Disperse Yellow 3	Not Detected	

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TEST REPORT

ULR - TC-S663201200636800

NUMBER : DELT20063680
DATE : 17-Oct-2020

Disperse Yellow 9	Not Detected
Disperse Yellow 39	Not Detected
Disperse Yellow 49	Not Detected
Disperse Brown 1	Not Detected
Disperse Yellow 23	Not Detected
Disperse Orange 37/76/59	Not Detected
Disperse Orange 37	Not Detected
Disperse Orange 76	Not Detected
Disperse Orange 59	Not Detected
Basic Blue 26	Not Detected
Disperse Yellow 14	Not Detected
Basic Red 46	Not Detected
Naphtol As Reative	Not Detected
Acid Red 14 (Carminique Acid Natural)	Not Detected
Basic Violet 3	Not Detected
Basic Violet 1	Not Detected
Basic Green 4	Not Detected
Disperse Blue 291	Not Detected
Disperse Violet 93	Not Detected
Disperse Yellow 64	Not Detected

REMARK:
DETECTION LIMIT = 15 mg/kg

10. Cadmium
EN 1122.

	Black Rubber Back Side	Requirement
	Not Detected	Not Provided

REMARK:
Minimum Detection Limit = 10 Parts Per Million

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TEST REPORT

ULR - TC-566320120063680P
NUMBER : DELT20063680
DATE : 17-Oct-2020

11. Carcinogenic Dyes
- (9) DIN 54321 (Harmful materials EC 552 HPLC analysis)

	Maronn+Grey+Green Pile	Requirement
Disperse Blue 1	Not Detected	Not Provided
Basic Red 9	Not Detected	
Acid Red 26	Not Detected	
Disperse Yellow 3	Not Detected	
Direct Blue 6	Not Detected	
Direct Black 38	Not Detected	
Disperse Orange 11	Not Detected	
Basic Violet 14	Not Detected	
Direct Red 28	Not Detected	

	Blue+Golden Pile	Requirement
Disperse Blue 1	Not Detected	Not Provided
Basic Red 9	Not Detected	
Acid Red 26	Not Detected	
Disperse Yellow 3	Not Detected	
Direct Blue 6	Not Detected	
Direct Black 38	Not Detected	
Disperse Orange 11	Not Detected	
Basic Violet 14	Not Detected	
Direct Red 28	Not Detected	

	Dark Grey+Lt. Grey Pile	Requirement
Disperse Blue 1	Not Detected	Not Provided
Basic Red 9	Not Detected	
Acid Red 26	Not Detected	
Disperse Yellow 3	Not Detected	
Direct Blue 6	Not Detected	
Direct Black 38	Not Detected	
Disperse Orange 11	Not Detected	
Basic Violet 14	Not Detected	
Direct Red 28	Not Detected	

REMARK:
DETECTION LIMIT = 15 mg/kg

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ULR - TC-566320120063680P
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12. Formaldehyde

BS EN ISO 14184 PART-1 :2011 :

		Requirement
	Not Detected	Not Provided

REMARK:
Detection limit -5 ppm

13. Azo-dyes

EN ISO 14362-1:2012 As Per European Test Procedure For Detection of the Use of Certain Azo Colorants By Using Gas Chromatographic-mass Spectrometric (Gc-ms) and High Performance Liquid Chromatographic (Hplc) Analysis.

Red+Grey+Green Pile

Result In mg/kg	CAS-NO	RESULTS	Requirement
4-Aminobiphenyl	92-67-1	N	30 ppm
Benzidine	92-87-5	N	
4-Chloro-O-Toluidine	95-69-2	N	
2-Naphthylamine	91-59-8	N	
O-Aminoazotoluene	97-56-3	N	
5-Nitro- O - Toluidine	99-55-8	N	
P-Chloroaniline	106-47-8	N	
2,4-Diaminoanisole	615-05-4	N	
4,4'-Diaminodiphenylmethane	101-77-9	N	
3,3'-Dichlorobenzidine	91-94-1	N	
3,3'-Dimethoxybenzidine	119-90-4	N	
3,3'-Dimethylbenzidine	119-93-7	N	
3,3'-Dimethyl-4,4' Diaminobiphenylmethane	838-88-0	N	
P-Kresidin	120-71-8	N	
4,4'-Methylene-Bis-(2 Chloroaniline)	101-14-4	N	
4,4'-Oxydianiline	101-80-4	N	
4,4'-Thiodianiline	139-65-1	N	
O-Toluidine	95-53-4	N	
2,4-Toluenediamine	95-80-7	N	
2,4,5-Trimethylaniline	137-17-7	N	
2-Methoxyaniline	90-04-0	N	
P-Aminoazobenzene	60-09-3	N	
2,6 XYLIDINE	87-62-7	N	
2,4 XYLIDINE	95-68-1	N	

REMARK:
Summary : Presence Of Carcinogenic Amines N
Results : Not Detected
Remark : Detection Limit 5 Parts Per Million
PPM : Parts Per Million
N : Not Detected

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ULR - TC-566320120063680P

NUMBER : DELT20063680
DATE : 17-Oct-2020

Blue+Yellow Pile

Result In mg/kg	CAS-NO	RESULTS	Requirement
4-Aminobiphenyl	92-67-1	N	30 ppm
Benzidine	92-87-5	N	
4-Chloro-O-Toluidine	95-69-2	N	
2-Naphthylamine	91-59-8	N	
O-Aminoazotoluene	97-56-3	N	
5-Nitro- O - Toluidine	99-55-8	N	
P-Chloroaniline	106-47-8	N	
2,4-Diaminoanisole	615-05-4	N	
4,4'-Diaminodiphenylmethane	101-77-9	N	
3,3'-Dichlorobenzidine	91-94-1	N	
3,3'-Dimethoxybenzidine	119-90-4	N	
3,3'-Dimethylbenzidine	119-93-7	N	
3,3'-Dimethyl-4,4' Diaminobiphenylmethane	838-88-0	N	
P-Kresidin	120-71-8	N	
4,4'-Methylene-Bis-(2 Chloroaniline)	101-14-4	N	
4,4'-Oxydianiline	101-80-4	N	
4,4'-Thiodianiline	139-65-1	N	
O-Toluidine	95-53-4	N	
2,4-Toluenediamine	95-80-7	N	
2,4,5-Trimethylaniline	137-17-7	N	
2-Methoxyaniline	90-04-0	N	
P-Aminoazobenzene	60-09-3	N	
2,6 XYLIDINE	87-62-7	N	
2,4 XYLIDINE	95-68-1	N	

REMARK:
Summary : Presence Of Carcinogenic Amines N
Results : Not Detected
Remark : Detection Limit 5 Parts Per Million
PPM : Parts Per Million
N : Not Detected

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ULR - TC-566320120063680P

TEST REPORT

NUMBER : DELT20063680
DATE : 17-Oct-2020

Dark Grey+Grey Pile

Result In mg/kg	CAS-NO	RESULTS	Requirement
4-Aminobiphenyl	92-67-1	N	30 ppm
Benzidine	92-87-5	N	
4-Chloro-O-Toluidine	95-69-2	N	
2-Naphthylamine	91-59-8	N	
O-Aminoazotoluene	97-56-3	N	
5-Nitro- O - Toluidine	99-55-8	N	
P-Chloroaniline	106-47-8	N	
2,4-Diaminoanisole	615-05-4	N	
4,4'-Diaminodiphenylmethane	101-77-9	N	
3,3'-Dichlorobenzidine	91-94-1	N	
3,3'-Dimethoxybenzidine	119-90-4	N	
3,3'-Dimethylbenzidine	119-93-7	N	
3,3'-Dimethyl-4,4' Diaminobiphenylmethane	838-88-0	N	
P-Kresidin	120-71-8	N	
4,4'-Methylene-Bis-(2 Chloroaniline)	101-14-4	N	
4,4'-Oxydianiline	101-80-4	N	
4,4'-Thiodianiline	139-65-1	N	
O-Toluidine	95-53-4	N	
2,4-Toluenediamine	95-80-7	N	
2,4,5-Trimethylaniline	137-17-7	N	
2-Methoxyaniline	90-04-0	N	
P-Aminoazobenzene	60-09-3	N	
2,6 XYLIDINE	87-62-7	N	
2,4 XYLIDINE	95-68-1	N	

REMARK:
Summary : Presence Of Carcinogenic Amines N
Results : Not Detected
Remark : Detection Limit 5 Parts Per Million
PPM : Parts Per Million
N : Not Detected

14. Flammability Test For Carpets & Rugs
16 CFR 1631

		Requirement
Test Method	16 CFR 1631 (FF2-70)	
Sample Dimension	9X9 INCH	
Type of Igniting Source	METHANAMINE	
% Relative Humidity	65%	
Conditioning Time Procor to Test	1 HRS	
Number of Specimens Meet the Test Criterion	8	Must meet
ORIGINAL		
1]	3.0	
2]	2.8	
3]	2.8	
4]	3.3	
5]	3.0	
6]	3.1	
7]	2.9	
8]	3.0	

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15. Flammability

Test Method	ISO 6925: 1982
Sample Dimension	230X230 ±3 MM
Diameter of Flattening Frame	230 MM X 230X6.5 ±0.5 MM WITH HOLE IN CENTER OF DIAMETER 205 MM
Type of Ignition Source	METHANAMINE TABLET

CONDITIONING:

Prior to testing: At least 24 hours at 20±2°C and 65±2% relative humidity.

At the time of testing: Temperature between 10°C and 30°C, relative humidity between 20% and 65% .

OR

Prior to testing: 2 hours at 105±2°C followed by a minimum of 1 hour over desiccator.

At the time of testing: Temperature between 10°C and 30°C, relative humidity between 20% and 65% .

THE NEAREST DISTANCE FROM BURNT AREA TO THE FRAME EDGE (IN MM)

Specimen Number	Maximum distance from the center of the sample to the edge of the charred area (MM)	Flaming ceased (Sec)	Time effect of Ignition reached the flattening frame (Sec)
1	30	64	-
2	26	78	-
3	29	73	-
4	28	76	-
5	33	80	-
6	30	72	-
7	24	64	-
8	31	70	-

NA= Not Applicable

DNI=Did not Ignite

FE=Forcibly extinguished after charred area reached the flattening ring

END OF THE TEST REPORT

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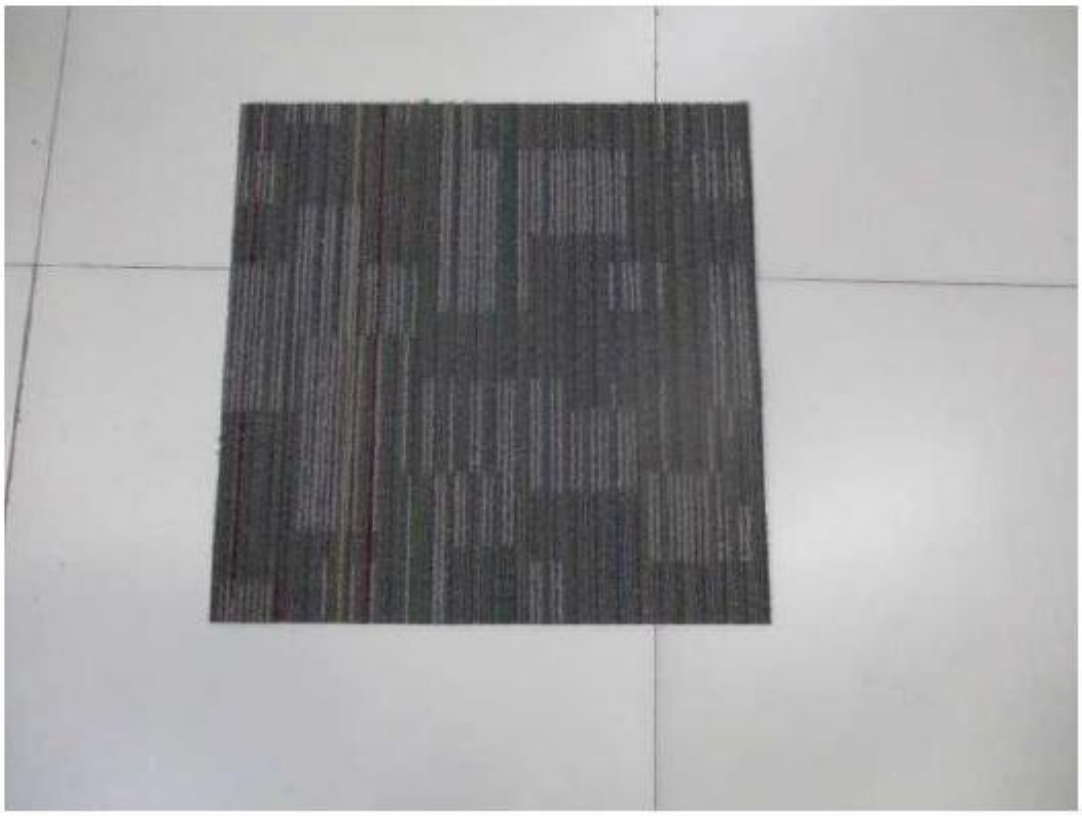

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TEST REPORT

ULR - TC-566320120063680P

NUMBER : DELT20063680
DATE : 17-Oct-2020

APPLICANT : **STANDARD CARPETS IND,LLC**
Plot No-5315801,, Plot No-5315801, Dubai,
-, United Arabs Emirates
ATTN : **Sahil Passi**

Sample Description : Ten piece of submitted (2.5 m2) 100% Solution Dyed Polypropylene Carpet Tile sample.

Applicant Provided Care Instructions :
Vacuum clean

Date Received/date Test Started : 06 Oct 2020
Date Confirmation Received : 06 Oct 2020
Buyer : NOT PROVIDED
Country of Origin : India
P.O.No : -
Piber Content :
End Uses : Carpet
Style : -
Color : Multi
Manufacturer's Name : Standard Carpets Ind,llc
Article No :

TEST CONDUCTED : AS PER THE REQUEST OF THE APPLICANT. FOR FURTHER DETAILS PLEASE REFER TO ENCLOSED PAGE(S)

Azo-dyes

TESTED SAMPLE	STANDARD	RESULT
Submitted Sample in color Red+Grey+Green Pile	AZO COLOURANTS AZO COLOURANTS CONTENT REQUIREMENT IN ANNEX XVII ITEM 43 OF THE REACH REGULATION (EC) NO. 1907/2006 & AMENDMENT NO. 552/2009	PASS
Submitted Sample in color Blue+Yellow Pile	AZO COLOURANTS AZO COLOURANTS CONTENT REQUIREMENT IN ANNEX XVII ITEM 43 OF THE REACH REGULATION (EC) NO. 1907/2006 & AMENDMENT NO. 552/2009	PASS
Submitted Sample in color Dark Grey+Grey Pile	AZO COLOURANTS AZO COLOURANTS CONTENT REQUIREMENT IN ANNEX XVII ITEM 43 OF THE REACH REGULATION (EC) NO. 1907/2006 & AMENDMENT NO. 552/2009	PASS

AUTHORIZED BY
FOR Intertek India Private Limited [Gurgaon]

SANJAY KUMAR
DY.LAB MANAGER

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TEST REPORT

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CONCLUSION :

Fiber Identification/Composition- 2 Fibre	**
Appearance After Care	**
Dimensions	**
Colour Fastness to Rubbing	**
Color Fastness to Water	**
Colour Fastness to Light Grade 4	**
Tuft Withdrawal	**
Colorfastness to Shampooing	**
Allergenous Dye	**
Delamination	N/A
Cadmium	**
Carcinogenic Dyes	**
Formaldehyde	**
Flammability Test For Carpets & Rugs	M
Flammability	**

NOTE:

M = MEETS REQUIREMENT,	F = FAILS TO MEET REQUIREMENT
* = REQUIREMENT NOT PROVIDED,	NA = NOT APPLICABLE
# = EXEMPTED,	NC = NO COMMENT,
SC = SEE COMMENT	** = REPER RESULT
## = NOT PERFORMED	MA = MARGINAL ACCEPTANCE
NR = NOT REQUESTED	D = DATA ONLY
C = CONFIRM LABEL	

REMARKS :

Test methods are provided by the applicant.

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TEST CONDUCTED (AS REQUESTED BY THE APPLICANT)

1. Fiber Identification/Composition- 2 Fibre
ISO 1833-1:2006

		Requirement
FIBRE COMPOSITION (ON PRODUCT BASIS) :		
:	Pile: 100% Polypropylene	Not Provided

REMARK:
Recommended fibre composition:
Pile: 100% Polypropylene

2. Appearance After Care
vacuum clean

		Requirement
Colour Change	5	Not Provided

OBSERVATION :
. Slight colour change was observed.

3. Dimensions
ISO 3018 :1974

		Requirement
Length	19.75"	Not Provided
Width	19.75"	

4. Colour Fastness to Rubbing
ISO 105x12:2016

		Requirement
Dry	4-5	Not Provided
Wet	4-5	

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5. Color Fastness to Water
ISO 105-E01

			Requirement
Colour Change		4	Not Provided
COLOUR STAINING	Acetate	4-5	Not Provided
	Cotton	4-5	
	Nylon	4-5	
	Polyester	4-5	
	Acrylic	4-5	
	Wool	4-5	
Self Staining		5	

6. Colour Fastness to Light Grade 4
ISO 105 B02 : 2014

			Requirement
UPTO GRADE 4	Grade	4	Not Provided

7. Tuft Withdrawal
ISO 4919:2012

		Requirement
	33 N [Withdrawal]	Not Provided

8. Colorfastness to Shampooing
ISO 18168

		Requirement
Change in Colour	4	Not Provided
Staining of Cotton	4-5	Not Provided
Staining of Polyester	4-5	
Self Staining	5	

9. Allergenous Dye
- (21)) DIN 54321 (Harmful materials EC 552 HPLC analysis)

	Maronn+Grey+Green Pile	Requirement
Disperse Orange 149	Not Detected	Not Provided
Disperse Blue 1	Not Detected	

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TEST REPORT

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Disperse Blue 3	Not Detected
Disperse Blue 7	Not Detected
Disperse Blue 26	Not Detected
Disperse Blue 35	Not Detected
Disperse Blue 102	Not Detected
Disperse Blue 106	Not Detected
Disperse Blue 124	Not Detected
Disperse Orange 1	Not Detected
Disperse Orange 3	Not Detected
Disperse Orange 37/76	Not Detected
Disperse Red 1	Not Detected
Disperse Red 11	Not Detected
Disperse Red 17	Not Detected
Disperse Yellow 1	Not Detected
Disperse Yellow 3	Not Detected
Disperse Yellow 9	Not Detected
Disperse Yellow 39	Not Detected
Disperse Yellow 49	Not Detected
Disperse Brown 1	Not Detected
Disperse Yellow 23	Not Detected
Disperse Orange 37/76/59	Not Detected
Disperse Orange 37	Not Detected
Disperse Orange 76	Not Detected
Disperse Orange 59	Not Detected
Basic Blue 26	Not Detected
Disperse Yellow 14	Not Detected
Basic Red 46	Not Detected
Naphtol As Reative	Not Detected
Acid Red 14 (Carminique Acid Natural)	Not Detected
Basic Violet 3	Not Detected
Basic Violet 1	Not Detected
Basic Green 4	Not Detected
Disperse Blue 291	Not Detected
Disperse Violet 93	Not Detected
Disperse Yellow 64	Not Detected

Blue+Golden Pile

		Requirement
Disperse Orange 149	Not Detected	Not Provided
Disperse Blue 1	Not Detected	
Disperse Blue 3	Not Detected	
Disperse Blue 7	Not Detected	
Disperse Blue 26	Not Detected	
Disperse Blue 35	Not Detected	
Disperse Blue 102	Not Detected	
Disperse Blue 106	Not Detected	
Disperse Blue 124	Not Detected	
Disperse Orange 1	Not Detected	

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TEST REPORT

ULR - TC-566320120063680P
NUMBER : DELT20063680
DATE : 17-Oct-2020

Disperse Orange 3	Not Detected
Disperse Orange 37/76	Not Detected
Disperse Red 1	Not Detected
Disperse Red 11	Not Detected
Disperse Red 17	Not Detected
Disperse Yellow 1	Not Detected
Disperse Yellow 3	Not Detected
Disperse Yellow 9	Not Detected
Disperse Yellow 39	Not Detected
Disperse Yellow 49	Not Detected
Disperse Brown 1	Not Detected
Disperse Yellow 23	Not Detected
Disperse Orange 37/76/59	Not Detected
Disperse Orange 37	Not Detected
Disperse Orange 76	Not Detected
Disperse Orange 59	Not Detected
Basic Blue 26	Not Detected
Disperse Yellow 14	Not Detected
Basic Red 46	Not Detected
Naphtol As Reative	Not Detected
Acid Red 14 (Carminique Acid Natural)	Not Detected
Basic Violet 3	Not Detected
Basic Violet 1	Not Detected
Basic Green 4	Not Detected
Disperse Blue 291	Not Detected
Disperse Violet 93	Not Detected
Disperse Yellow 64	Not Detected

Dark Grey+Lt. Grey
Pile

		Requirement
Disperse Orange 149	Not Detected	Not Provided
Disperse Blue 1	Not Detected	
Disperse Blue 3	Not Detected	
Disperse Blue 7	Not Detected	
Disperse Blue 26	Not Detected	
Disperse Blue 35	Not Detected	
Disperse Blue 102	Not Detected	
Disperse Blue 106	Not Detected	
Disperse Blue 124	Not Detected	
Disperse Orange 1	Not Detected	
Disperse Orange 3	Not Detected	
Disperse Orange 37/76	Not Detected	
Disperse Red 1	Not Detected	
Disperse Red 11	Not Detected	
Disperse Red 17	Not Detected	
Disperse Yellow 1	Not Detected	
Disperse Yellow 3	Not Detected	

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Disperse Yellow 9	Not Detected
Disperse Yellow 39	Not Detected
Disperse Yellow 49	Not Detected
Disperse Brown 1	Not Detected
Disperse Yellow 23	Not Detected
Disperse Orange 37/76/59	Not Detected
Disperse Orange 37	Not Detected
Disperse Orange 76	Not Detected
Disperse Orange 59	Not Detected
Basic Blue 26	Not Detected
Disperse Yellow 14	Not Detected
Basic Red 46	Not Detected
Naphtol As Reative	Not Detected
Acid Red 14 (Carminique Acid Natural)	Not Detected
Basic Violet 3	Not Detected
Basic Violet 1	Not Detected
Basic Green 4	Not Detected
Disperse Blue 291	Not Detected
Disperse Violet 93	Not Detected
Disperse Yellow 64	Not Detected

REMARK:
DETECTION LIMIT = 15 mg/kg

10. Cadmium
EN 1122.

Black Rubber Back Side

	Requirement
Not Detected	Not Provided

REMARK:
Minimum Detection Limit = 10 Parts Per Million

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11. Carcinogenic Dyes
- (9) DIN 54321 (Harmful materials EC 552 HPLC analysis)

	Maronn+Grey+Green Pile	Requirement
Disperse Blue 1	Not Detected	Not Provided
Basic Red 9	Not Detected	
Acid Red 26	Not Detected	
Disperse Yellow 3	Not Detected	
Direct Blue 6	Not Detected	
Direct Black 38	Not Detected	
Disperse Orange 11	Not Detected	
Basic Violet 14	Not Detected	
Direct Red 28	Not Detected	

	Blue+Golden Pile	Requirement
Disperse Blue 1	Not Detected	Not Provided
Basic Red 9	Not Detected	
Acid Red 26	Not Detected	
Disperse Yellow 3	Not Detected	
Direct Blue 6	Not Detected	
Direct Black 38	Not Detected	
Disperse Orange 11	Not Detected	
Basic Violet 14	Not Detected	
Direct Red 28	Not Detected	

	Dark Grey+Lt. Grey Pile	Requirement
Disperse Blue 1	Not Detected	Not Provided
Basic Red 9	Not Detected	
Acid Red 26	Not Detected	
Disperse Yellow 3	Not Detected	
Direct Blue 6	Not Detected	
Direct Black 38	Not Detected	
Disperse Orange 11	Not Detected	
Basic Violet 14	Not Detected	
Direct Red 28	Not Detected	

REMARK:
DETECTION LIMIT = 15 mg/kg

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TEST REPORT

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NUMBER : DELT20063680
DATE : 17-Oct-2020

12. Formaldehyde
BS EN ISO 14184 PART-1 :2011 :

		Requirement
	Not Detected	Not Provided

REMARK:
Detection limit -5 ppm

13. Azo-dyes
EN ISO 14362-1:2012 As Per European Test Procedure For Detection of the Use of Certain Azo Colorants By Using Gas Chromatographic-mass Spectrometric (Gc-ms) and High Performance Liquid Chromatographic (Hplc) Analysis.

Red+Grey+Green Pile

Result In mg/kg	CAS-NO	RESULTS	Requirement
4-Aminobiphenyl	92-67-1	N	30 ppm
Benzidine	92-87-5	N	
4-Chloro-O-Toluidine	95-69-2	N	
2-Naphthylamine	91-59-8	N	
O-Aminoazotoluene	97-56-3	N	
5-Nitro- O - Toluidine	99-55-8	N	
P-Chloroaniline	106-47-8	N	
2,4-Diaminoanisole	615-05-4	N	
4,4'-Diaminodiphenylmethane	101-77-9	N	
3,3'-Dichlorobenzidine	91-94-1	N	
3,3'-Dimethoxybenzidine	119-90-4	N	
3,3'-Dimethylbenzidine	119-93-7	N	
3,3'-Dimethyl-4,4' Diaminobiphenylmethane	838-88-0	N	
P-Kresidin	120-71-8	N	
4,4'-Methylene-Bis-(2 Chloroaniline)	101-14-4	N	
4,4'-Oxydianiline	101-80-4	N	
4,4'-Thiodianiline	139-65-1	N	
O-Toluidine	95-53-4	N	
2,4-Toluenediamine	95-80-7	N	
2,4,5-Trimethylaniline	137-17-7	N	
2-Methoxyaniline	90-04-0	N	
P-Aminoazobenzene	60-09-3	N	
2,6 XYLIDINE	87-62-7	N	
2,4 XYLIDINE	95-68-1	N	

REMARK:
Summary : Presence Of Carcinogenic Amines N
Results : Not Detected
Remark : Detection Limit 5 Parts Per Million
PPM : Parts Per Million
N : Not Detected

Intertek India Private Limited
290, Udyog Vihar, Phase-II, Gurgaon, Haryana -122016. Tel : 0124-4503400, Fax : 0124-4303592
Registered Office : E-20, Block B-1, Mohan Co-Operative Industrial Area, Mathura Road, New Delhi -110044. Website : www.intertek.com

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TEST REPORT

ULR - TC-566320120063680P
NUMBER : DELT20063680
DATE : 17-Oct-2020

Blue+Yellow Pile

Result In mg/kg	CAS-NO	RESULTS	Requirement
4-Aminobiphenyl	92-67-1	N	30 ppm
Benzidine	92-87-5	N	
4-Chloro-O-Toluidine	95-69-2	N	
2-Naphthylamine	91-59-8	N	
O-Aminoazotoluene	97-56-3	N	
5-Nitro- O - Toluidine	99-55-8	N	
P-Chloroaniline	106-47-8	N	
2,4-Diaminoanisole	615-05-4	N	
4,4'-Diaminodiphenylmethane	101-77-9	N	
3,3'-Dichlorobenzidine	91-94-1	N	
3,3'-Dimethoxybenzidine	119-90-4	N	
3,3'-Dimethylbenzidine	119-93-7	N	
3,3'-Dimethyl-4,4' Diaminobiphenylmethane	838-88-0	N	
P-Kresidin	120-71-8	N	
4,4'-Methylene-Bis-(2 Chloroaniline)	101-14-4	N	
4,4'-Oxydianiline	101-80-4	N	
4,4'-Thiodianiline	139-65-1	N	
O-Toluidine	95-53-4	N	
2,4-Toluenediamine	95-80-7	N	
2,4,5-Trimethylaniline	137-17-7	N	
2-Methoxyaniline	90-04-0	N	
P-Aminoazobenzene	60-09-3	N	
2,6 XYLIDINE	87-62-7	N	
2,4 XYLIDINE	95-68-1	N	

REMARK:
Summary : Presence Of Carcinogenic Amines N
Results : Not Detected
Remark : Detection Limit 5 Parts Per Million
PPM : Parts Per Million
N : Not Detected

Intertek India Private Limited
290, Udyog Vihar, Phase-II, Gurgaon, Haryana -122016. Tel.: 0124-4503400, Fax : 0124-4303592.
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ULR - TC-566320120063680P

TEST REPORT

NUMBER : DELT20063680
DATE : 17-Oct-2020

Dark Grey+Grey Pile

Result In mg/kg	CAS-NO	RESULTS	Requirement
4-Aminobiphenyl	92-67-1	N	30 ppm
Benzidine	92-87-5	N	
4-Chloro-O-Toluidine	95-69-2	N	
2-Naphthylamine	91-59-8	N	
O-Aminoazotoluene	97-56-3	N	
5-Nitro- O - Toluidine	99-55-8	N	
P-Chloroaniline	106-47-8	N	
2,4-Diaminoanisole	615-05-4	N	
4,4'-Diaminodiphenylmethane	101-77-9	N	
3,3'-Dichlorobenzidine	91-94-1	N	
3,3'-Dimethoxybenzidine	119-90-4	N	
3,3'-Dimethylbenzidine	119-93-7	N	
3,3'-Dimethyl-4,4' Diaminobiphenylmethane	838-88-0	N	
P-Kresidin	120-71-8	N	
4,4'-Methylene-Bis-(2 Chloroaniline)	101-14-4	N	
4,4'-Oxydianiline	101-80-4	N	
4,4'-Thiodianiline	139-65-1	N	
O-Toluidine	95-53-4	N	
2,4-Toluenediamine	95-80-7	N	
2,4,5-Trimethylaniline	137-17-7	N	
2-Methoxyaniline	90-04-0	N	
P-Aminoazobenzene	60-09-3	N	
2,6 XYLIDINE	87-62-7	N	
2,4 XYLIDINE	95-68-1	N	

REMARK:
Summary : Presence Of Carcinogenic Amines N
Results : Not Detected
Remark : Detection Limit 5 Parts Per Million
PPM : Parts Per Million
N : Not Detected

14. Flammability Test For Carpets & Rugs
16 CFR 1631

		Requirement
Test Method	16 CFR 1631 (FF2-70)	
Sample Dimension	9X9 INCH	
Type of Igniting Source	METHANAMINE	
% Relative Humidity	65%	
Conditioning Time Procor to Test	1 HRS	
Number of Specimens Meet the Test Criterion	8	Must meet
ORIGINAL		
1]	3.0	
2]	2.8	
3]	2.8	
4]	3.3	
5]	3.0	
6]	3.1	
7]	2.9	
8]	3.0	

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TEST REPORT

ULR - TC-566320120063680P
NUMBER : DELT20063680
DATE : 17-Oct-2020

15. Plammability

Test Method	ISO 6925: 1982
Sample Dimension	230X230 ±3 MM
Diameter of Flattening Frame	230 MM X 230X6.5 ±0.5 MM WITH HOLE IN CENTER OF DIAMETER 205 MM
Type of Ignition Source	METHANAMINE TABLET

CONDITIONING:

Prior to testing: At least 24 hours at 20±2°C and 65±2% relative humidity.

At the time of testing: Temperature between 10°C and 30°C, relative humidity between 20% and 65% .

OR

Prior to testing: 2 hours at 105±2°C followed by a minimum of 1 hour over desiccator.

At the time of testing: Temperature between 10°C and 30°C, relative humidity between 20% and 65% .

THE NEAREST DISTANCE FROM BURNT AREA TO THE FRAME EDGE (IN MM)

Specimen Number	Maximum distance from the center of the sample to the edge of the charred area (MM)	Flaming ceased (Sec)	Time effect of Ignition reached the flattening frame (Sec)
1	30	64	-
2	26	78	-
3	29	73	-
4	28	76	-
5	33	80	-
6	30	72	-
7	24	64	-
8	31	70	-

NA= Not Applicable

DNI=Did not Ignite

FE=Forcibly extinguished after charred area reached the flattening ring

END OF THE TEST REPORT

Intertek India Private Limited
290, Udyog Vihar, Phase-II, Gurgaon, Haryana -122016. Tel : 0124-4503400, Fax : 0124-4303592
Registered Office : E-20, Block B-1, Mohan Co-Operative Industrial Area, Mathura Road, New Delhi -110044. Web site : www.intertek.com

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CENTEXBEL

Mr. Upendra R. Oza
STANDARD CARPETS IND LLC
Industrial Area no.1 PO Box 27977
AE- SHARJAH
VERENIGDE ARABISCHE EMIRATEN

your delivery of	your reference	our reference	date
2009-05-12		PW/5484	Zwijnaarde, 2009-06-11

Analysis Report 68886

Required tests :

Determination of the electrical resistance
Assessment of static electrical propensity - walking test
Determination of sound absorption
Determination of impact sound insulation
Determination of thermal resistance by the guarded hot plate apparatus

Identification number	Information given by the client	Date of receipt
T905007	FRS Loop Pile Polypropylene Carpet Tile (Tetris)	2009-05-12

Petra Wittevrongel
order responsible

For further information, please contact our sectorial adviser Jo Wynendaele

ISO 17025
BELAC
056-TEST

VAT BE 0459.218.289 Fin. Acc. 210-0472965-45 IBAN BE44 2100 4729 6545

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Analysis Report 68886

our reference	date	page
PW/5484	2009-06-11	2 / 6

Reference : **T905007 - FRS Loop Pile Polypropylene Carpet Tile (Tetris)**

Determination of the electrical resistance

1. Method:

Applied standard	: ISO 10965 (year: 1998)
Deviations of the standard	: -
Testing atmosphere	: 23°C and 25 % relative humidity
Applied voltage	: 500 Volt
Number of specimens	: 3
Number of measurements	: 6 (2 measurements per specimen)

2. Results:

Date of ending the test: 25-05-2009

test specimen	surface resistance in Ω	vertical resistance in Ω
1	$1{,}67 \times 10^{12}$	$9{,}43 \times 10^{11}$
2	$5{,}00 \times 10^{12}$	$1{,}35 \times 10^{12}$
3	$5{,}00 \times 10^{12}$	$1{,}28 \times 10^{13}$
4	$3{,}33 \times 10^{12}$	$6{,}58 \times 10^{11}$
5	$4{,}55 \times 10^{12}$	$1{,}28 \times 10^{12}$
6	$2{,}50 \times 10^{12}$	$1{,}25 \times 10^{12}$
geometrical mean value	$3{,}41 \times 10^{12}$ Ω	$1{,}61 \times 10^{12}$ Ω

Performed in the physical lab under the responsibility of Petra Wittevrongel.

استاندارد جذب صدا

CEN TEX BEL

Analysis Report 68886

our reference	date	page
PW/5484	2009-06-11	3 / 6

Reference : **T905007 - FRS Loop Pile Polypropylene Carpet Tile (Tetris)**

Assessment of static electrical propensity - walking test

1. Method:

Applied standard	: ISO 6356 (year: 2000) method by walking
Deviations of the standard	: dimensions of the carpet 200 cm x 100 cm (assembly of 8 pieces of 50 cm x 50 cm)
Atmosphere for conditioning	: 23°C and 25% relative humidity
Conditioning time	: at least 7 days
Number of measurements	: 3

2. Results:

Date of ending the test: 25-05-2009

	body voltage (kVolts)
measurement	with Neolite sole
1	0.0
2	0.1
3	0.2
average	0.1

Performed under accreditation in the physical lab under the responsibility of Philippe Lemaire.

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CEN TEX BEL

Analysis Report 68886

our reference	date	page
PW/5484	2009-06-11	4 / 6

Reference : T905007 - FRS Loop Pile Polypropylene Carpet Tile (Tetris)

Determination of sound absorption

1. Method:

Performed in the external lab : Schall- und Wärmemeβstelle Aachen GmbH

2. Results:

Date of ending the test : 27-05-2009

See analysis report enclosed.

Centexbel is not responsible for the test results.

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Analysis Report 68886

our reference	date	page
PW/5484	2009-06-11	5 / 6

Reference : T905007 - FRS Loop Pile Polypropylene Carpet Tile (Tetris)

Determination of impact sound insulation

1. Method:

Performed in the external lab : Schall- und Wärmemeβstelle Aachen GmbH

2. Results:

Date of ending the test : 27-05-2009

See analysis report enclosed.

Centexbel is not responsible for the test results.

استاندارد جذب صدا

CEN TEX BEL

Analysis Report 68886

our reference	date	page
PW/5484	2009-06-11	6 / 6

Reference : **T905007 - FRS Loop Pile Polypropylene Carpet Tile (Tetris)**

Determination of thermal resistance by the guarded hot plate apparatus

1. Method:

Performed in the external lab : Ghent University, Faculty of Engineering (Department of Textiles)

2. Results:

Date of ending the test : 29-05-2009

See analysis report enclosed.

Centexbel is not responsible for the test results.

استاندارد جذب صدا

Schall- und Wärmemeßstelle Aachen GmbH

Institut für schalltechnische und wärmetechnische Prüfungen - Beratung - Planung

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Geschäftsführung:
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Labor: Hauptstr. 133 · 52 477 Alsdorf

VMPA Schallschutzprüfstelle DIN 4109
Staatlich anerkannte Sachverständige
für den Schall-u. Wärmeschutz IK-Bau NRW

Bankverbindung: Sparkasse Aachen
(BLZ 390 500 00) Kto.-Nr. 11 011 194

27.05.2009

TEST REPORT NO. : CT190509B TS

Impact sound insulation of ISO 140-8 : 1998 - 03

Date of test:	19.05.2009
Customer:	CENTEXBEL
Tested material:	T905007

laid loose on a 140 mm thick reinforced concrete floor slab

استاندارد جذب صدا

Test results	Enclosure TS
Impact sound insulation of ISO 140-8 : 1998 - 03 Measurement of impact sound insulation by a floor covering - on a solid strings-floor Customer: **CENTEXBEL**	Page 2 of 2

Tested material: **T905007**
Test rooms: 02 u. K2, Hauptstraße 133, 52 477 Alsdorf
Test area: 4,24 m x 4,15 m Test area of slab
Date of test: 19.05.2009

Description of the test material:

Total thickness: **- mm**

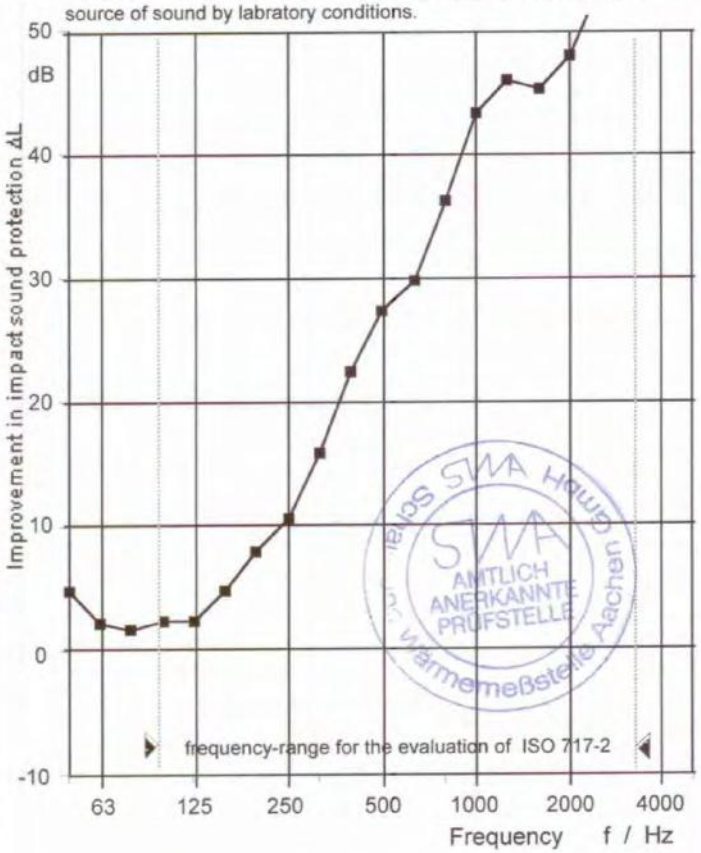
Mass / area: **- kg/m²**

laid loose on a 140 mm thick reinforced concrete floor slab

Receiving room:
Volume: 58,9 m³
Temperature: 20 °C
Humidity: 65 %

The results are based on tests, which were effected with on artificial source of sound by labratory conditions.

Frequency Hz	Ln Bare floor dB	ΔL dB
50		4,9
63		2,3
80		1,8
100	61,0	2,5
125	61,4	2,4
160	64,8	4,9
200	63,7	8,0
250	65,4	10,7
315	65,6	16,0
400	66,1	22,4
500	66,0	27,3
630	66,4	29,8
800	66,3	36,4
1000	66,2	43,4
1250	66,6	46,0
1600	67,2	45,3
2000	67,1	47,9
2500	67,0	53,7
3150	66,4	54,2
4000		---
5000		---



Reception filter: third-octave
Calculation according ISO 717-2:

Impact sound improvement index	non rated reduction of impact sound insulation	
ΔL_W = **24 dB**	$\Delta L_{lin} = \Delta L_w + C_{I,\Delta}$	$C_{I,\Delta}$ = -12 dB
(VM = **24 dB**)	ΔL_{lin} = **12 dB**	$C_{I,r}$ = 1 dB
		$C_{I,r,50\text{-}2500}$ = 4 dB

Test report no.: **CT190509B TS**
Aachen 27.05.2009

SWA Schall- und Wärmemeßstelle Aachen GmbH

(Dipl.-Ing. A. Siebel) (Dr.-Ing. L. Siebel)

استاندارد جذب صدا

Schall- und Wärmemeßstelle Aachen GmbH

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Geschäftsführung:
Dipl.-Ing. Bernd Gebing
Dr.-Ing. Lothar Siebel
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VMPA Schallschutzprüfstelle DIN 4109
Staatlich anerkannte Sachverständige
für den Schall-u. Wärmeschutz IK-Bau NRW

Bankverbindung: Sparkasse Aachen
(BLZ 390 500 00) Kto.-Nr. 11 011 194

27.05.2009

TEST REPORT NO. : CT190509B SA

Sound absorption of DIN EN ISO 354 : 2003 - 12

Date of test:	19.05.2009
Customer:	CENTEXBEL
Tested material:	T905007
	laid loose on the floor of the reverberation room

استاندارد جذب صدا

4. Test results	Enclosure SA
Sound absorption DIN EN ISO 354 : 2003 - 12 Measurement of sound absorption in a reverberation room Customer: **CENTEXBEL**	Page 2 of 4

Tested material: **article:** **T905007**
Test room: reverberation room, Hauptstraße 133, 52 477 Alsdorf
Test area: 12,0 m²
Test method: method of reverberation room
Date of test: 19.05.2009

Description of the test material:

Total thickness: **- mm**

Mass / area: **- kg/m²**

laid loose on the floor of the reverberation room

Dimension of the test area:

length: 4,00 m
width: 3,00 m

Reverberation room:

Basic plan: trapezoid

Volume: 211 m³

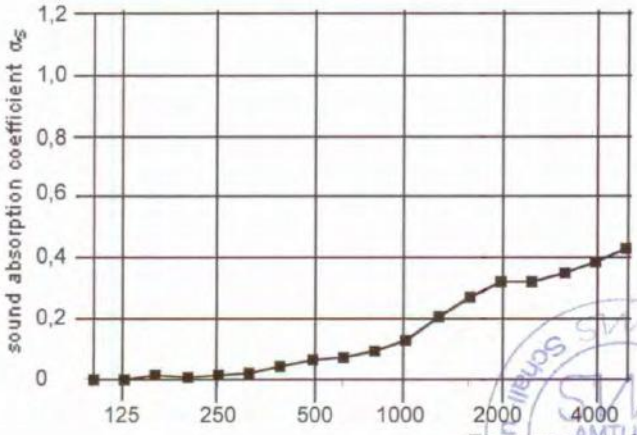
Temperature: 20 °C
Humidity: 65 %

f / Hz	125	250	500	1000	2000	4000
α_s	**0,00**	**0,01**	**0,06**	**0,13**	**0,32**	**0,39**

Surface areas of reverberation room: 213 m²

Surface areas of reflectors in reverberation room: 54,5 m²

Reflectors:
6 Alu panels of 1,0 m/ 2,0 m
7 Plywood panels of 1,5 m/ 1,3 m
1 Alu panels of 1,8 m/ 0,9 m



Test sound: third-octave noise
Reception filter: third-octave

Test report no.: CT190509B SA Aachen 27.05.2009	SWA Schall- und Wärmemeßstelle Aachen GmbH (Dipl.-Ing. A. Siebel) (Dr.-Ing. L. Siebel)

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4.1 Valuation of test results

Enclosure SA

Page 3 of 4

Soundabsorber for the application in buildings - valuation of sound absorbtion
Sound absorption of DIN EN ISO 11654 : 1997- 07

Customer: **CENTEXBEL**

Tested material: **article:** **T905007**
Test room: reverberation room, Hauptstraße 133, 52 477 Alsdorf
Test area: 12,0 m²
Test method: method of reverberation room
Date of test: 19.05.2009

Description of the test material:

Total thickness: - **mm**

Mass / area: - **kg/m²**

laid loose on the floor of the reverberation room

frequency - range of the "shapeindi-cators"

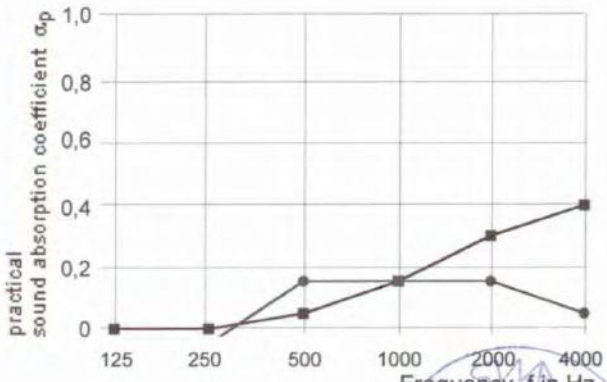
	Frequency in Hz	pactical sound absorption coefficient
	125	0,00
L	250	0,00
M	500	0,05
M	1000	0,15
H	2000	0,30
H	4000	0,40

Results:
Relation - curve:

Reverberation room:
Basic plan: trapezoid
Volume: 211 m³
Temperature: 20 °C
Humidity: 65 %

Surfaces areas of reverberation room: 213 m²

Surfaces areas of reflectors in reverberation room: 54,5 m²



Evaluated sound absorptions grade α_w

α_w : **0,15 (- - H)** *)

*) It is recommended insistently to use this singular valuation with complete curve of sound absorption garde.

Test report no.: **CT190509B SA**

Aachen 27.05.2009

SWA Schall- und Wärmemeßstelle Aachen GmbH

(Dipl.-Ing. A. Siebel) (Dr.-Ing. L. Siebel)

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4.2 Test results	Enclosure SA
Reverberation times Measurement of sound absorption in a reverberation room Customer: **CENTEXBEL**	Page 4 of 4

Tested material: **article:** **T905007**
Test room: reverberation room, Hauptstraße 133, 52 477 Alsdorf
Test area: 12,0 m²
Test method: method of reverberation room
Date of test: 19.05.2009

Description of the test material:
Total thickness: - **mm**
Mass / area: - **kg/m²**

laid loose on the floor of the reverberation room
Dimension of the test area:
length: 4,00 m
width: 3,00 m

Reverberation times:

f / Hz	T1 / s	T2 / s
100	9,96	9,91
125	7,82	7,79
160	6,73	6,48
200	7,29	7,10
250	7,20	6,98
315	6,22	5,95
400	6,57	6,02
500	6,89	6,00
630	6,93	5,87
800	6,55	5,39
1000	6,48	5,00
1250	6,31	4,34
1600	5,93	3,79
2000	5,42	3,38
2500	4,65	3,05
3150	3,99	2,68
4000	3,24	2,26
5000	2,59	1,86

SWA Schall- und Wärmemeßstelle Aachen GmbH
SWA AMTLICH ANERKANNTE PRÜFSTELLE

Number of loudspeaker positions: 2 Test sound: third-octave noise
Number of microphone positions: 2 x 6 Reception filter: third-octave

Test report no.: **CT190509B SA**	SWA Schall- und Wärmemeßstelle Aachen GmbH
Aachen 27.05.2009	

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9052 Zwijnaarde

contact	e-mail	date
Didier Van Daele	didier.vandaele@UGent.be	29/05/2009

TEST REPORT 09-297 B

Samples received :

Order 7489: T905007
Received on 12/05/09

Aim of the test :

determination of applicability with floorheating

Test conditions :

Applicability with floorheating by means of TECOSY : one plate method

Standard:	DIN 52 612 part 1 (1979)° in accordance with ISO 8302 (1991)°
Method:	A sample is placed between a cold and a warm plate. The cold and the warm plate are kept at the same temperature. The quantity of energy needed to keep the warm and cold plate on temperature, is an indication for the heat transmission of the sample.
Number of tests:	2 samples (3 measurements per sample)
Test conditions:	20 ± 2°C and 65 ± 4 % relative humidity

The tests were ended in week 22/2009

استاندارد شعله وری اس جی اس

SGS

Test Report No. SDFS1907004534FF Date: Aug.13, 2019 Page 1 of 14

STANDARD CARPETS IND. L.L.C
SAIH SHUAIB 2, DUBAI INDUSTRIAL CITY ,P.O BOX : 490014, DUBAI (UAE)

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

Sample Description	:	100 % SOLUTION DYED POLYPROPYLENE CARPET TILE
Sample Receiving Date	:	Jul.23, 2019
Test Performing Date	:	Jul.23, 2019 to Aug.13, 2019
Test Result(s)	:	For further details, please refer to the following page(s).

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

Irvette Zhang
Approved signatory

SGS

Test Report No. SDFS1907004534FF Date: Aug.13, 2019 Page 2 of 14

Test Result Summary

No.	Test(s) Requested	Result(s)	Comments
1	16 CFR 1631 —Standard for the surface flammability of small carpets and rugs (FF 2–70)	PASS	/
	ISO 6925:1982 Textile floor Coverings –Burning behavior-Tablet test at ambient temperature	Refer to next page(s)	/
2	To determine the Cadmium(Cd) content(s) in the submitted sample(s).	See Results	/
	To determine the Carcinogenic Disperse Dyes content(s) in the submitted sample(s).	See Results	/
	Determination of Azodyes in the submitted sample(s) with reference to the Entry 43 of Commission Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2002/61/EC).	See Results	/
3	Major Composition Qualitative Analysis ASTM E1252-98(2013)ε1	Polypropylene(PP)	/
4	Colour Fastness To Rubbing (ISO 105-X12:2016;Size of rubbing finger: 19 x 25.4mm)	Refer to next page(s)	/
	Colour Fastness To Water (ISO 105-E01:2013;test specimen in vertical position)	Refer to next page(s)	/
	Formaldehyde (ISO 14184-1:2011.)	Refer to next page(s)	/
	Formaldehyde (ISO 14184-2:2011; Analysis was preformed by UV-Vis.)	Refer to next page(s)	/
5	Tensile Force ISO 11857-1999	49.0N	/
For further details, please refer to the following page(s)			

Part 1
Test 1

Test Conducted:

This test is conducted accordance with 16 CFR 1631 Standard for the surface flammability of small carpets and rugs (FF 2–70)

Sample details:

Sample Name	Carpet

Laundering condition	Yes
Conditioning	T: 105°C Duration: 2hours, then cool for 1hour in desiccator

Criteria:

Test criterion	A specimen passes the test if the charred portion does not extend to within 2.54 cm. (1.0 in.) of the edge of the hole in the flattening frame at any point
Acceptance criterion	At least seven of the eight specimens shall meet the test criterion in order to conform with this Standard.

Test results:

Specimen No.	Whether the charred portion extend to within 2.54 cm. (1.0 in.) of the edge of the hole in the flattening frame at any point	Rating
1	No	Pass
2	No	Pass
3	No	Pass
4	No	Pass
5	No	Pass
6	No	Pass
7	No	Pass
8	No	Pass

Conclusion

As per test method of the 16CFR 1631 contained, the submitted specimens comply with that acceptance criterion.

Photo Appendix:

Test 2

Test Conducted:

Based on ISO 6925:1982 Textile floor Coverings –Burning behavior-Tablet test at ambient temperature

I. Sample details

Materials	Carpet

II. Conditioning

Conditioning	Temperature	Relative humidity
	(20±2) ℃	(65±2)%
Test Condition requirement	27.3 ℃	65 %

III. Test Result

Specimen No.	The maximum diameter of damage area (mm)	Whether the flame or glowing reaches the edge of the hole in the metal plate.
1	18	No
2	17	No
3	18	No
4	18	No
5	17	No
6	17	No
7	16	No
8	16	No

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Remark: The maximum distance between the centre of the specimen and the edge of the damaged zone using the rule.

Photo Appendix:

Part 2: SGS Ref. No.: CAN19-149956

Test Results :

Test Part Description :

SGS Sample ID	Description
CAN19-149956.001	Dark blue/black fleece sheet with black backing

Remarks :

(1) 1 mg/kg = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

Cadmium (Cd)

Test Method : SGS In-house method (GZTC CHEM-TOP-004-01, with reference to US EPA Method 3052:1996), analysis was performed by ICP-OES.

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Test Item(s)	CAS NO.	Unit	MDL	001
Cadmium (Cd)	7440-43-9	%(w/w)	0.0005	ND

Carcinogenic Disperse Dyes

Test Method : With reference to DIN 54231:2005, analysis was performed by HPLC-DAD-MSD.

Test Item(s)	CAS NO.	Unit	MDL	001
Carcinogenic Disperse Dyes				
C.I. Acid Red 26 (Structure No: C.I. 16 150)	3761-53-3	mg/kg	15	ND
C.I. Basic Red 9 (Structure No: C.I. 42 500)	569-61-9	mg/kg	15	ND
C.I. Direct Black 38 (Structure No: C.I. 30 235)	1937-37-7	mg/kg	15	ND
C.I. Direct Blue 6 (Structure No: C.I. 22 610)	2602-46-2	mg/kg	15	ND
C.I. Direct Red 28 (Structure No: C.I. 22 120)	573-58-0	mg/kg	15	ND
C.I. Basic Violet 14 (Structure No: C.I. 42 510)	632-99-5	mg/kg	15	ND
C.I. Disperse orange 11 (Structure No: C.I. 60 700)	82-28-0	mg/kg	15	ND
C.I. Disperse Blue 1 (Structure No: C.I. 64 500)	2475-45-8	mg/kg	15	ND
C.I. Disperse Yellow 3 (Structure No: C.I. 11 855)	2832-40-8	mg/kg	15	ND

Azo Dyes

A.Test Method : With reference to EN 14362-1 :2012 - Analysis was conducted with GC-MS/HPLC-DAD.

Test Item(s)	CAS NO.	Unit	MDL	001
4-Aminobiphenyl	92-67-1	mg/kg	5	ND
Benzidine	92-87-5	mg/kg	5	ND
4-chloro-o-toluidine	95-69-2	mg/kg	5	ND
2-naphthylamine	91-59-8	mg/kg	5	ND
o-aminoazotoluene	97-56-3	mg/kg	5	ND
5-nitro-o-toluidine / 2-Amino-4-nitrotoluene	99-55-8	mg/kg	5	ND
4-chloroaniline	106-47-8	mg/kg	5	ND
4-methoxy-m-phenylenediamine	615-05-4	mg/kg	5	ND

/ 2,4-Diaminoanisole				
4,4' -diaminodiphenylmethane	101-77-9	mg/kg	5	ND
3,3' -dichlorobenzidine	91-94-1	mg/kg	5	ND
3,3' -dimethoxybenzidine	119-90-4	mg/kg	5	ND
3,3' -dimethylbenzidine	119-93-7	mg/kg	5	ND
3,3'-Dimethyl-4,4'-diaminodiphenylmethane / 4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	ND
p-cresidine	120-71-8	mg/kg	5	ND
4,4' -methylene-bis-(2-chloroaniline)	101-14-4	mg/kg	5	ND
4,4' -oxydianiline	101-80-4	mg/kg	5	ND
4,4' -thiodianiline	139-65-1	mg/kg	5	ND
o-toluidine	95-53-4	mg/kg	5	ND
4-methyl-m-phenylenediamine / 2,4-Toluylendiamine	95-80-7	mg/kg	5	ND
2,4,5-trimethylaniline	137-17-7	mg/kg	5	ND
4-aminoazobenzene	60-09-3	mg/kg	5	ND
O-Anisidine	90-04-0	mg/kg	5	ND

B.Test Method : With reference to ISO 17234-1:2015, analysis was conducted with GC-MS/HPLC-DAD.

Test Item(s)	CAS NO.	Unit	MDL	001
4-Aminobiphenyl	92-67-1	mg/kg	5	ND
Benzidine	92-87-5	mg/kg	5	ND
4-chloro-o-toluidine	95-69-2	mg/kg	5	ND
2-naphthylamine	91-59-8	mg/kg	5	ND
o-aminoazotoluene	97-56-3	mg/kg	5	ND
5-nitro-o-toluidine / 2-Amino-4-nitrotoluene	99-55-8	mg/kg	5	ND
4-chloroaniline	106-47-8	mg/kg	5	ND
4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole	615-05-4	mg/kg	5	ND
4,4' -diaminodiphenylmethane	101-77-9	mg/kg	5	ND
3,3' -dichlorobenzidine	91-94-1	mg/kg	5	ND
3,3' -dimethoxybenzidine	119-90-4	mg/kg	5	ND
3,3' -dimethylbenzidine	119-93-7	mg/kg	5	ND
3,3'-Dimethyl-4,4'-diaminodiphenylmethane / 4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	ND
p-cresidine	120-71-8	mg/kg	5	ND
4,4' -methylene-bis-	101-14-4	mg/kg	5	ND

(2-chloroaniline)				
4,4' -oxydianiline	101-80-4	mg/kg	5	ND
4,4' -thiodianiline	139-65-1	mg/kg	5	ND
o-toluidine	95-53-4	mg/kg	5	ND
4-methyl-m-phenylenediamine / 2,4-Toluylendiamine	95-80-7	mg/kg	5	ND
2,4,5-trimethylaniline	137-17-7	mg/kg	5	ND
4-aminoazobenzene	60-09-3	mg/kg	5	ND
O-Anisidine	90-04-0	mg/kg	5	ND
2,4-Xylidine	95-68-1	mg/kg	5	ND
2,6-Xylidine	87-62-7	mg/kg	5	ND

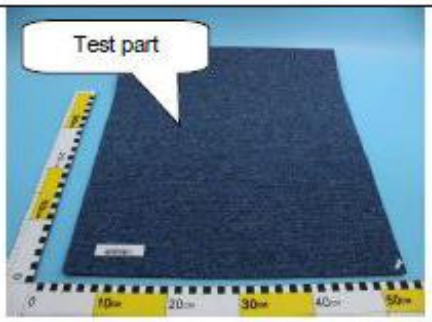
Notes :

(1) Test specimen was taken randomly from the sample submitted by client/applicant.
(2) Whenever 4-aminodiphenyl (CAS number 92-67-1), 2-naphylamine (CAS number 91-59-8) and 4-methoxy-m-phenylene-diamine (CAS number 615-05-4) is found, the use of banned azo colorants cannot be reliably ascertained without additional information, e.g. the chemical structure of the colorants used.
(3) In case polyurethane materials are used, e.g. PU foams and coatings and in prints, it cannot be ruled out that certain amines, e.g. 4,4'-methylene-dianiline (MDA, CAS number 101-77-9) and 2,4-toluylen-diamine (TDA, CAS number 95-80-7) are released from the PU component and not from a banned azo colorant.
(4) In case of pigment prints care has to be taken that 4,4'-methylene-dianiline (MDA, CAS number 101-77-9) is not released from a source of banned azo colorants but from e.g. a chemical fixing agent.

Sample photo:

Part 3: SGS Ref. No.: GZIN1908041367MR

Original Sample Photo:



Sample A

Test Item: Major Composition Qualitative Analysis

Sample Description: See photo

Test Method: ASTM E1252-98(2013)ε1, analysis was performed by FTIR.

Sample Technique: Hot-pressed film

Test Result:

Sample	Major composition
A	Polypropylene(PP) (FTIR spectrum see Fig.1)

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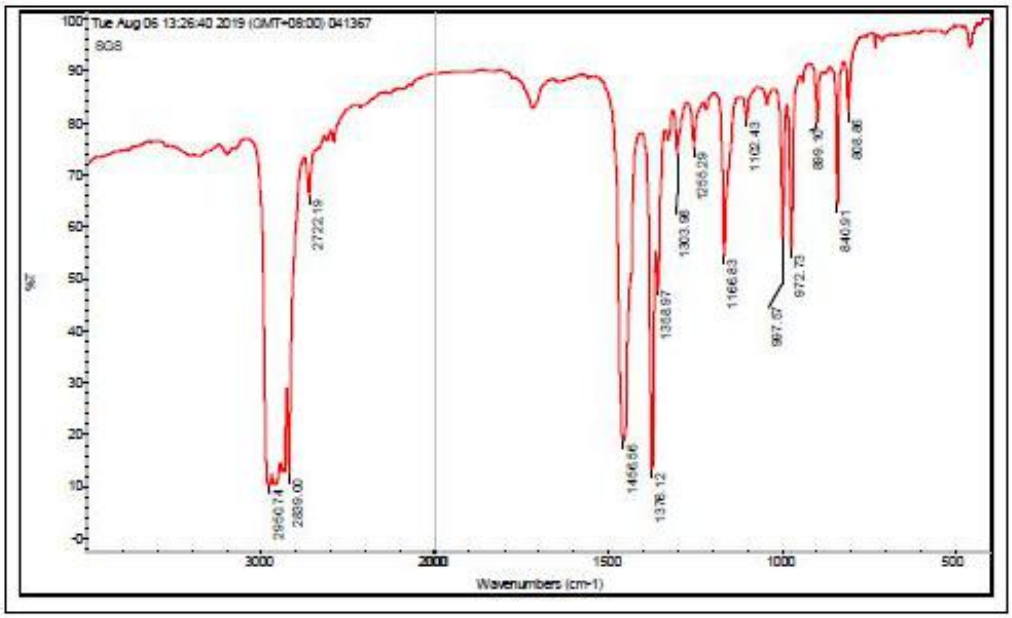
Test Report No. SDFS1907004534FF Date: Aug.13, 2019 Page 10 of 14

Fig.1



Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
FTIR	NICOLET 5700	GZMR-PL-E028	2018-09-07	2019-09-06

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Part 4: SGS Ref. No.: SL91939276232101TX

Test Results

Colour Fastness To Rubbing

(ISO 105-X12:2016;Size of rubbing finger: 19 x 25.4mm)

As Received

-	Unit	(A)	Requirement
Dry Staining	-	4	-
Wet Staining	-	4	-

Remark: Grey Scale Rating is based on the 5-step scale of 1 to 5, where 1 is worst and 5 is best.

Colour Fastness To Water

(ISO 105-E01:2013;test specimen in vertical position)

-	Unit	(A)	Requirement
Change In Shade	-	4-5	-
Staining On Multi-fibre Stripe			
Acetate	-	4-5	-
Cotton	-	4-5	-
Nylon	-	4-5	-
Polyester	-	4-5	-
Acrylic	-	4-5	-
Wool	-	4-5	-

Remark: Grey Scale Rating is based on the 5-step scale of 1 to 5, where 1 is worst and 5 is best.

Formaldehyde

(ISO 14184-1:2011.)

	Cas No	Result (mg/kg) Sample (A)
Formaldehyde	50-00-0	ND
Requirement	-	

Note:
ND = Not Detected
1ppm =1 mg/kg
* = Exceed the limit
Detection limit = 16 mg/kg

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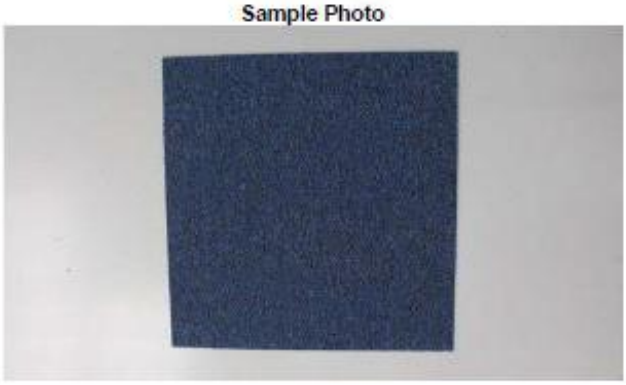
Formaldehyde

ISO 14184-2:2011; Analysis was preformed by UV-Vis.)

	Cas No	Result (mg/kg) Sample (A)
Formaldehyde	50-00-0	20
Requirement	-	

Note:
ND = Not Detected
1ppm =1 mg/kg
* = Exceed the limit
Detection limit = 16 mg/kg

Sample Photo



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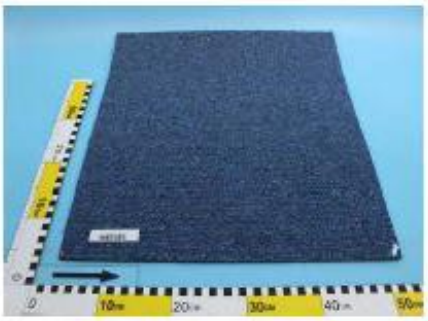
Part 5: SGS Ref. No.: GZIN1908042039MR

Original Sample Photo:



Sample A

Test Item: Tensile Force

Sample Description: See photo

Test Method: ISO 11857-1999

Test Condition:

Specimen width: 50mm

Testing speed: 300mm/min

Lab Environmental Condition:(23±2)℃, (50±5)%RH

Test Result:

Test Item	Test Result
Tensile Force	49.0N

Note: Test specimens were cut from the sample.

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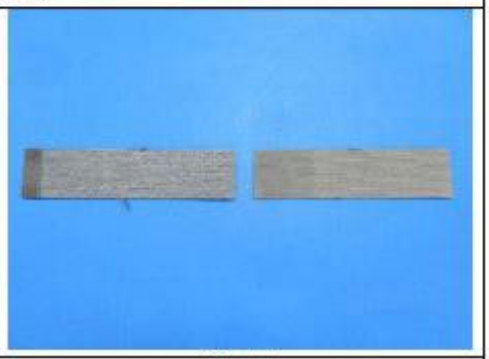
Test Report No. SDFS1907004534FF Date: Aug.13, 2019 Page 14 of 14

Test Photo:

During test

Before test



After test

Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Universal Testing Machine	Z1.0	GZMR-PL-E168	2019-04-16	2020-04-15

Remark: Part 2 & 3, 4, 5 test was subcontracted to SGS-CSTC Standards Technical Services Co.,Ltd. Guangzhou Branch.

End of Report

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CENTEXBEL

Standard Carpets ind llc
Mr. Upendra R. Oza
Industrial Area no.1 PO Box 27977
SHARJAH
Verenigde Arabische Emiraten

ISO 17025 BELAC 056-TEST

Your notice of	Your reference	Date
13-12-2012		04-01-2013

Analysis Report 12.05464.01

Required tests :

CFR 1630-FF 1-70 **Standard for the surface flammability of carpets and rugs.**

Identification number	Information given by the client	Date of receipt
T1217795	Polypropylene Graphic Carpet Tile with Vinyl backing	13-12-2012

Pros Van Hoeyland

Order responsible

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The results of the analysis cover the received samples. Centexbel is not responsible for the representativeness of the samples.
In assessing compliance with the specifications, we did not take into account the uncertainty on the test results.

VAT BE 0459.218.289 Fin. Acc. 210-0472965-45 IBAN BE44 2100 4729 6545

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Analysis Report 12.05464.01
Date 04-01-2013
Page 2/2

Reference: **T1217795 - Polypropylene Graphic Carpet Tile with Vinyl backing**

Standard for the surface flammability of carpets and rugs.

Date of ending the test	04-01-2013
Standard used	CFR 1630-FF 1-70 & 1631-FF 2-70
Deviation from the standard	-
Conditioning	2 hours in a drying oven at 105 °C. After drying cooled to room temperature in a desiccator.

The specimens have been taken from the material as supplied

No cleaning procedure has been applied prior to testing.

Specimens have been tested loose laid on a standard non-combustible substrate.

	Flame time or time to reach the edge	Max. damage from centre point of specimen (mm).	Charred area ≤ 25 mm from inside edge (1).
#1	1 min 59 s	12	no
#2	1 min 49 s	11	no
#3	2 min 41 s	11	no
#4	2 min 09 s	10	no
#5	1 min 52 s	12	no
#6	2 min 04 s	12	no
#7	2 min 13 s	10	no
#8	2 min 21 s	15	no

(1) "yes" if the max. damage from the centre point is >= 76 mm or when flames reach the inside edge.

Test criterion
A specimen fails the test if the charred area reaches a distance of 25 mm or less, from the inside edge of the template.

Acceptance criterion
At least seven of the eight specimens shall meet the test criterion in order to conform with the standard.

Conclusion **Pass**

Performed under accreditation in the fire lab under the responsibility of Pros Van Hoeyland

استاندارد محیط زیست

استانداردگرین لیبل پلاس

GREEN LABEL PLUS

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Standard Carpets

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HAS MET THE REQUIREMENTS OF THE CARPET AND RUG INSTITUTE'S GREEN LABEL PLUS PROGRAM FOR CATEGORY:

31X Pre-dyed Polypropylene with PVC Backing

Private Office Range of Total VOCs:
0.5 mg/m³ or less

School Classroom Range of Total VOCs:
0.5 mg/m³ or less

Product Type: Modular Tile

Joe W. Yarbrough, President
The Carpet and Rug Institue,Inc.

Certification Date: May 23, 2018
Expiration Date: June 30, 2023

To view all GLP-Certified products visit www.carpet-rug.org/glpproducts.

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CENTEXBEL

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STANDARD CARPETS IND LLC
Industrial Area no.1 PO Box 27977
AE- SHARJAH
VERENIGDE ARABISCHE EMIRATEN

your delivery of	your reference	our reference	date
2009-05-12		PW/5484	Zwijnaarde, 2009-06-11

Analysis Report 68886

Required tests :

Determination of the electrical resistance
Assessment of static electrical propensity - walking test
Determination of sound absorption
Determination of impact sound insulation
Determination of thermal resistance by the guarded hot plate apparatus

Identification number	Information given by the client	Date of receipt
T905007	FRS Loop Pile Polypropylene Carpet Tile (Tetris)	2009-05-12

Petra Wittevrongel
order responsible

For further information, please contact our sectorial adviser Jo Wynendaele

ISO 17025 BELAC 056-TEST

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Analysis Report 68886

our reference	date	page
PW/5484	2009-06-11	2 / 6

Reference : **T905007 - FRS Loop Pile Polypropylene Carpet Tile (Tetris)**

Determination of the electrical resistance

1. Method:

Applied standard	: ISO 10965 (year: 1998)
Deviations of the standard	: -
Testing atmosphere	: 23°C and 25 % relative humidity
Applied voltage	: 500 Volt
Number of specimens	: 3
Number of measurements	: 6 (2 measurements per specimen)

2. Results:

Date of ending the test: 25-05-2009

test specimen	surface resistance in Ω	vertical resistance in Ω
1	$1{,}67 \times 10^{12}$	$9{,}43 \times 10^{11}$
2	$5{,}00 \times 10^{12}$	$1{,}35 \times 10^{12}$
3	$5{,}00 \times 10^{12}$	$1{,}28 \times 10^{13}$
4	$3{,}33 \times 10^{12}$	$6{,}58 \times 10^{11}$
5	$4{,}55 \times 10^{12}$	$1{,}28 \times 10^{12}$
6	$2{,}50 \times 10^{12}$	$1{,}25 \times 10^{12}$
geometrical mean value	$3{,}41 \times 10^{12}$ Ω	$1{,}61 \times 10^{12}$ Ω

Performed in the physical lab under the responsibility of Petra Wittevrongel.

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Analysis Report 68886

our reference	date	page
PW/5484	2009-06-11	3 / 6

Reference : T905007 - FRS Loop Pile Polypropylene Carpet Tile (Tetris)

Assessment of static electrical propensity - walking test

1. Method:

Applied standard	: ISO 6356 (year: 2000) method by walking
Deviations of the standard	: dimensions of the carpet 200 cm x 100 cm (assembly of 8 pieces of 50 cm x 50 cm)
Atmosphere for conditioning	: 23°C and 25% relative humidity
Conditioning time	: at least 7 days
Number of measurements	: 3

2. Results:

Date of ending the test: 25-05-2009

	body voltage (kVolts)
measurement	with Neolite sole
1	0.0
2	0.1
3	0.2
average	0.1

Performed under accreditation in the physical lab under the responsibility of Philippe Lemaire.

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Analysis Report 68886

our reference	date	page
PW/5484	2009-06-11	4 / 6

Reference : T905007 - FRS Loop Pile Polypropylene Carpet Tile (Tetris)

Determination of sound absorption

1. Method:

Performed in the external lab : Schall- und Wärmemeβstelle Aachen GmbH

2. Results:

Date of ending the test : 27-05-2009

See analysis report enclosed.

Centexbel is not responsible for the test results.

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Analysis Report 68886

our reference	date	page
PW/5484	2009-06-11	5 / 6

Reference : T905007 - FRS Loop Pile Polypropylene Carpet Tile (Tetris)

Determination of impact sound insulation

1. Method:

Performed in the external lab : Schall- und Wärmemeβstelle Aachen GmbH

2. Results:

Date of ending the test : 27-05-2009

See analysis report enclosed.

Centexbel is not responsible for the test results.

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Analysis Report 68886

our reference	date	page
PW/5484	2009-06-11	6 / 6

Reference : T905007 - FRS Loop Pile Polypropylene Carpet Tile (Tetris)

Determination of thermal resistance by the guarded hot plate apparatus

1. Method:

Performed in the external lab : Ghent University, Faculty of Engineering (Department of Textiles)

2. Results:

Date of ending the test : 29-05-2009

See analysis report enclosed.

Centexbel is not responsible for the test results.

استاندارد مقاومت حرارتی

Schall- und Wärmemeßstelle Aachen GmbH

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Amtsgericht Aachen · HRB 2708

Labor: Hauptstr. 133 · 52 477 Alsdorf

VMPA Schallschutzprüfstelle DIN 4109
Staatlich anerkannte Sachverständige
für den Schall-u. Wärmeschutz IK-Bau NRW

Bankverbindung: Sparkasse Aachen
(BLZ 390 500 00) Kto.-Nr. 11 011 194

27.05.2009

TEST REPORT NO. : CT190509B TS

Impact sound insulation of ISO 140-8 : 1998 - 03

Date of test:	19.05.2009
Customer:	CENTEXBEL
Tested material:	T905007

laid loose on a 140 mm thick reinforced concrete floor slab

استاندارد مقاومت حرارتی

Test results	Enclosure TS
Impact sound insulation of ISO 140-8 : 1998 - 03 Measurement of impact sound insulation by a floor covering - on a solid strings-floor Customer: **CENTEXBEL**	Page 2 of 2

Tested material: **T905007**
Test rooms: 02 u. K2, Hauptstraße 133, 52 477 Alsdorf
Test area: 4,24 m x 4,15 m Test area of slab
Date of test: 19.05.2009

Description of the test material:

Total thickness: **- mm**

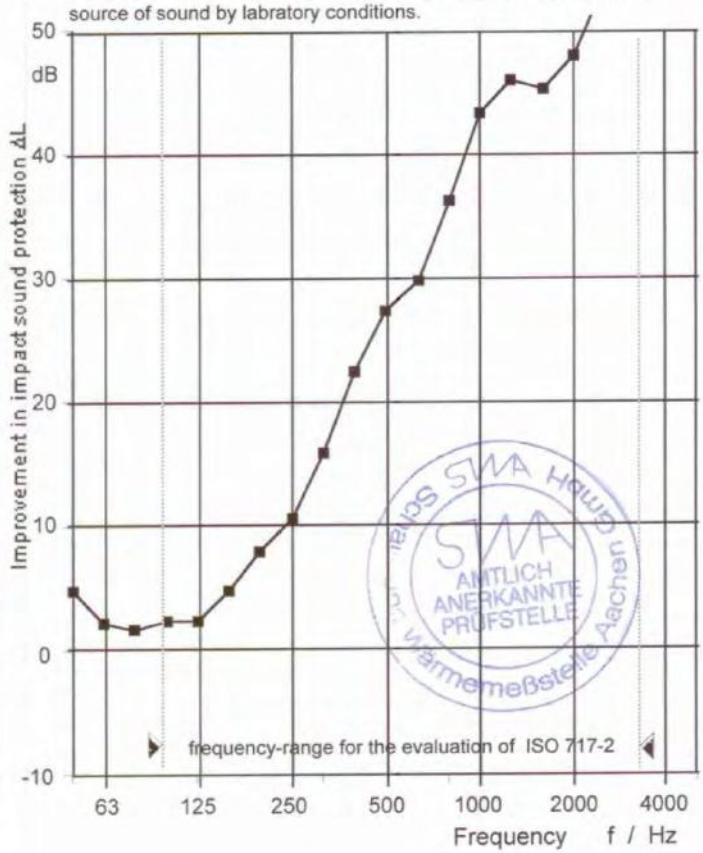
Mass / area: **- kg/m²**

laid loose on a 140 mm thick reinforced concrete floor slab

Receiving room:
Volume: 58,9 m³
Temperature: 20 °C
Humidity: 65 %

The results are based on tests, which were effected with on artificial source of sound by labratory conditions.

Frequency Hz	Ln Bare floor dB	ΔL dB
50		4,9
63		2,3
80		1,8
100	61,0	2,5
125	61,4	2,4
160	64,8	4,9
200	63,7	8,0
250	65,4	10,7
315	65,6	16,0
400	66,1	22,4
500	66,0	27,3
630	66,4	29,8
800	66,3	36,4
1000	66,2	43,4
1250	66,6	46,0
1600	67,2	45,3
2000	67,1	47,9
2500	67,0	53,7
3150	66,4	54,2
4000		---
5000		---



Reception filter: third-octave
Calculation according ISO 717-2:

Impact sound improvement index	non rated reduction of impact sound insulation	
ΔL_W = **24 dB**	$\Delta L_{lin} = \Delta L_w + C_{I,\Delta}$	$C_{I,\Delta}$ = -12 dB
(VM = **24 dB**)	ΔL_{lin} = **12 dB**	$C_{I,r}$ = 1 dB
		$C_{I,r,50\text{-}2500}$ = 4 dB

Test report no.: **CT190509B TS**
Aachen 27.05.2009

SWA Schall- und Wärmemeßstelle Aachen GmbH

(Dipl.-Ing. A. Siebel) (Dr.-Ing. L. Siebel)

استاندارد مقاومت حرارتی

Schall- und Wärmemeßstelle Aachen GmbH

Institut für schalltechnische und wärmetechnische Prüfungen - Beratung - Planung

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Amtsgericht Aachen · HRB 2708

Labor: Hauptstr. 133 · 52 477 Alsdorf

VMPA Schallschutzprüfstelle DIN 4109
Staatlich anerkannte Sachverständige
für den Schall-u. Wärmeschutz IK-Bau NRW

Bankverbindung: Sparkasse Aachen
(BLZ 390 500 00) Kto.-Nr. 11 011 194

27.05.2009

TEST REPORT NO. : CT190509B SA

Sound absorption of DIN EN ISO 354 : 2003 - 12

Date of test:	19.05.2009
Customer:	CENTEXBEL
Tested material:	T905007
	laid loose on the floor of the reverberation room

استاندارد مقاومت حرارتی

4. Test results	Enclosure SA
Sound absorption DIN EN ISO 354 : 2003 - 12 Measurement of sound absorption in a reverberation room Customer: **CENTEXBEL**	Page 2 of 4

Tested material: **article:** **T905007**
Test room: reverberation room, Hauptstraße 133, 52 477 Alsdorf
Test area: 12,0 m²
Test method: method of reverberation room
Date of test: 19.05.2009

Description of the test material:

Total thickness: **- mm**

Mass / area: **- kg/m²**

laid loose on the floor of the reverberation room

Dimension of the test area:

length: 4,00 m
width: 3,00 m

Reverberation room:

Basic plan: trapezoid

Volume: 211 m³

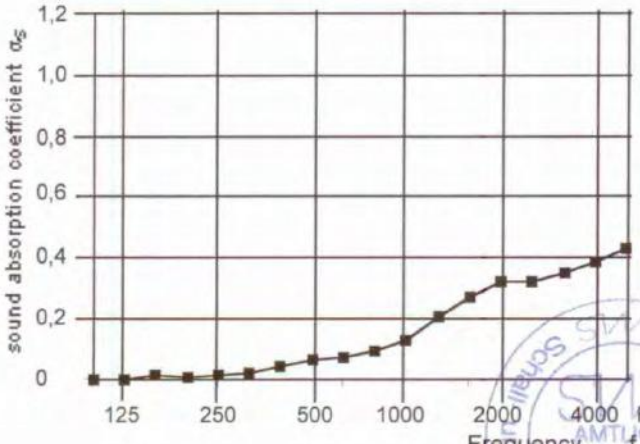
Temperature: 20 °C
Humidity: 65 %

f / Hz	125	250	500	1000	2000	4000
α_s	**0,00**	**0,01**	**0,06**	**0,13**	**0,32**	**0,39**

Surface areas of reverberation room: 213 m²

Surface areas of reflectors in reverberation room: 54,5 m²

Reflectors:
6 Alu panels of 1,0 m/ 2,0 m
7 Plywood panels of 1,5 m/ 1,3 m
1 Alu panels of 1,8 m/ 0,9 m



Test sound: third-octave noise
Reception filter: third-octave

Test report no.: CT190509B SA Aachen 27.05.2009	SWA Schall- und Wärmemeßstelle Aachen GmbH (Dipl.-Ing. A. Siebel) (Dr.-Ing. L. Siebel)

استاندارد مقاومت حرارتی

4.1 Valuation of test results

Enclosure SA

Page 3 of 4

Soundabsorber for the application in buildings - valuation of sound absorbtion
Sound absorption of DIN EN ISO 11654 : 1997- 07

Customer: **CENTEXBEL**

Tested material: **article:** **T905007**
Test room: reverberation room, Hauptstraße 133, 52 477 Alsdorf
Test area: 12,0 m²
Test method: method of reverberation room
Date of test: 19.05.2009

Description of the test material:

Total thickness: - **mm**

Mass / area: - **kg/m²**

laid loose on the floor of the reverberation room

frequency - range of the "shapeindi-cators"

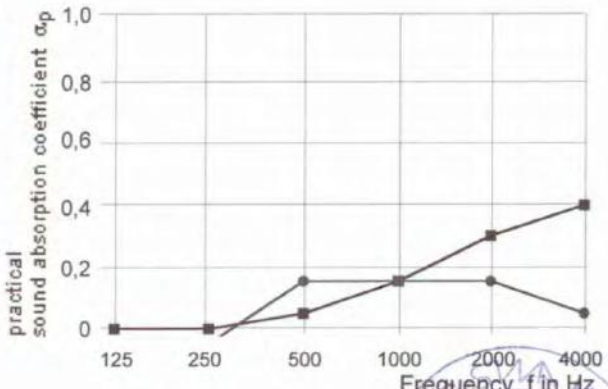
	Frequency in Hz	pactical sound absorption coefficient
	125	0,00
L	250	0,00
M	500	0,05
M	1000	0,15
H	2000	0,30
H	4000	0,40

Results:
Relation - curve:

Reverberation room:
Basic plan: trapezoid
Volume: 211 m³
Temperature: 20 °C
Humidity: 65 %

Surfaces areas of reverberation room: 213 m²

Surfaces areas of reflectors in reverberation room: 54,5 m²



Evaluated sound absorptions grade α_w

α_w : **0,15 (- - H)** *)

*) It is recommended insistently to use this singular valuation with complete curve of sound absorption garde.

Test report no.: **CT190509B SA**

Aachen 27.05.2009

SWA Schall- und Wärmemeßstelle Aachen GmbH

(Dipl.-Ing. A. Siebel) (Dr.-Ing. L. Siebel)

استاندارد مقاومت حرارتی

4.2 Test results	Enclosure SA
Reverberation times Measurement of sound absorption in a reverberation room Customer: **CENTEXBEL**	Page 4 of 4

Tested material: **article:** **T905007**
Test room: reverberation room, Hauptstraße 133, 52 477 Alsdorf
Test area: 12,0 m²
Test method: method of reverberation room
Date of test: 19.05.2009

Description of the test material:
Total thickness: - **mm**
Mass / area: - **kg/m²**

laid loose on the floor of the reverberation room
Dimension of the test area:
length: 4,00 m
width: 3,00 m

Reverberation times:

f / Hz	T1 / s	T2 / s
100	9,96	9,91
125	7,82	7,79
160	6,73	6,48
200	7,29	7,10
250	7,20	6,98
315	6,22	5,95
400	6,57	6,02
500	6,89	6,00
630	6,93	5,87
800	6,55	5,39
1000	6,48	5,00
1250	6,31	4,34
1600	5,93	3,79
2000	5,42	3,38
2500	4,65	3,05
3150	3,99	2,68
4000	3,24	2,26
5000	2,59	1,86

SWA Schall- und Wärmemeßstelle Aachen GmbH
SWA AMTLICH ANERKANNTE PRÜFSTELLE

Number of loudspeaker positions: 2 — Test sound: third-octave noise
Number of microphone positions: 2 x 6 — Reception filter: third-octave

Test report no.: **CT190509B SA**
Aachen 27.05.2009

SWA Schall- und Wärmemeßstelle Aachen GmbH

استاندارد مقاومت حرارتی

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contact	e-mail	date
Didier Van Daele	didier.vandaele@UGent.be	29/05/2009

TEST REPORT 09-297 B

Samples received :

Order 7489: T905007
Received on 12/05/09

Aim of the test :

determination of applicability with floorheating

Test conditions :

Applicability with floorheating by means of TECOSY : one plate method

Standard:	DIN 52 612 part 1 (1979)° in accordance with ISO 8302 (1991)°
Method:	A sample is placed between a cold and a warm plate. The cold and the warm plate are kept at the same temperature. The quantity of energy needed to keep the warm and cold plate on temperature, is an indication for the heat transmission of the sample.
Number of tests:	2 samples (3 measurements per sample)
Test conditions:	20 ± 2°C and 65 ± 4 % relative humidity

The tests were ended in week 22/2009

استاندارد مقاومت آتش‌زایی در برابر گرمای تابشی

Independent Textile Testing Service, Inc.

PO Box 1948 - 1503 East Morris Street - Dalton, GA 30722
Phone: 706-278-3013 • Fax: 706-272-7057 • E-mail: info@ittslab.com

Test Number: 187668-1

Test Report

Customer: Standard Carpet Ind. L.L.C. February 27, 2018

Subject: Specimens of the submitted sample were prepared and tested in accordance with ASTM E 648-15e1 and/or Federal Test Method 372. NFPA 253

FLOORING RADIANT PANEL TEST

Sample Description

100% Solution Dyed Olefin Carpet Tile with PVC Backing

Test Assembly

Mounted on 6mm FRC Board
(Using Premium Multi Purpose Adhesive)

Test Results	Specimen No. 1	Specimen No. 2	Specimen No. 3
Critical Radiant Flux	0.24 watts/cm^2	0.25 watts/cm^2	0.24 watts/cm^2
Total Burn Length	61.0 cm	60.0 cm	61.0 cm
Flame Front Out	60.0 minutes	62.0 minutes	60.0 minutes

Average Critical Radiant Flux	**0.24**	**watts/cm^2**
Estimated Standard Deviation	**0.01**	**watts/cm^2**
	2.4%	**coefficient of variation**

President L. Kent Suddeth

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