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## Test Report ZH028 207977.1-1

### Application

Fire protection class test carpet

### Test Material

Pure new wool carpet; 3 patterns 23 x 105 cm, running direction crosswise; 3 patterns 23 x 105 cm, running direction lengthwise

A detailed sample list is included in the document.

### Issuing

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### TESTEX AG

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## 1 Application

Date of Order	Scope of Order
25.08.2022	Burning Behaviour Of Building Products - EN ISO 9239-1 Ignitability Of Building Products - Surface flaming - EN ISO 11925-2 Description Of Specimen - Textile Floor Coverings - EN 1307

## 2 Samples

No.	Receipt	Sample Identification
1	19.08.2022	<b>Pure new wool carpet, 23 x 105 cm, running direction lengthwise and crosswise</b> Material of the wear layer: PVC (according to the applicant). Construction: heterogeneous Characteristics of the wear layer: transparent layer Type of covering: smooth floor covering Characteristics of the top surface: granular surface Colour design of the top side: marbled Form of delivery: rolls Total thickness *): 3.6 mm Total weight *): 2'100 g/m <sup>2</sup>

\*) determined on a sample of 20 x 20 cm

(Unless otherwise stated samples are provided by the customer.)

### 3 Photo Overview

#1 Image 1



Virgin wool carpet,  
23 x 105 cm, Running direction  
lengthwise and crosswise

Glue 3x as indicated on the adhesive.

Sample 1: Virgin wool carpet, 23 x 105 cm, running direction lengthwise and crosswise

Mounting plate	Fiber cement panel	
Adhesive	Name	dispensing adhesive
	Type	Uzin KE 2000
	Producer	Uzin
Applicator	spatula, perforation B2	
Drying time [min.]	10	

#### 4 Tests Performed / Results

##### Burning behaviour of building products EN ISO 9239-1 (orientating each direction)

Tested sample: sample 1: Pure new wool carpet, 23 x 105 cm, running direction lengthwise and crosswise

Conditioning: according to EN 13238, point 4.3

Substrate: Fibre cement board according to EN 13238

Arrangement of the specimens: glued

Deviation from standard: oriented tested

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

Specimen	Direction	Flame spread after [cm]				Self extinguishing	Self extinguishing after [min : sec]
		10 min	20 min	30 min	Self extinguishing		
1	length	20	-	-	20	12:00	
2	cross	24	-	-	24	12:00	

Specimen	Radiant flux (kW/m <sup>2</sup> ) after				Max. light obscuration [%]	Integral of smoke obscuration [%.min]
	10 min [HF-10]	20 min [HF-20]	30 min [HF-30]	Self extinguishing [CHF]		
1	9.3	-	-	9.3	48	33
2	8.2	-	-	8.2	58	43

As the mean value of the critical radiant flux and integral of smoke obscuration are calculated from the three specimens of the same direction there is no stated value for orientating tests.

Specimen	Time [min : sec], at which the flames are reaching the 50-mm measuring lines (starting with 50 mm)
1	1:00, 1:10, 1:20, 2:00
2	1:00, 1:10, 1:20, 1:50

Observations during test: Blistering / Bulging

The burning behaviour of building products according to EN ISO 9239-1 was subcontracted to Oeti - Institute for Ecology, Technology and Innovation, 0012 in the ISO 17025 accredited area.

## Flammability of building products - Surface flaming EN ISO 11925-2

Tested sample:	Sample 1: Pure new wool carpet, 23 x 105 cm, running direction Lengthwise and crosswise
Conditioning:	according to EN 13238, point 4.3
Substrate:	Fibre cement board according to EN 13238
Arrangement of samples:	loose
Number of specimen:	3 in length, 3 in cross direction (250 mm x 90 mm)
Exposure conditions:	Surface exposure
Flame application time:	15 s

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

Specimen	Length direction			Cross direction		
	1	2	3	1	2	3
Ignition	no	no	no	no	no	no
Flaming debris	no	no	no	no	no	no
Ignition of filter paper	no	no	no	no	no	no
Reaching the measuring mark (150 mm)	no	no	no	no	no	no
Time to reach the measuring mark (s)	0	0	0	0	0	0

Special observations during the test: none

The final flammability of building products – surface ignition according to EN ISO 11925-2 was subcontracted to Oeti – Institute for Ecology, Technology and Innovation, 0012 in the ISO 17025 accredited area.

## 5 Remarks

### Period of Validity

There are no regulations concerning duration of validity in the individual test standards. As the results of the examinations refer only to the submitted and examined samples, the report is valid for these for an unlimited period. A period of validity specified as part of an expert evaluation is in the discretion of the consultant or TESTEX. The applicability of results and expert evaluations for materials not tested is in the responsibility of the applicant. Whereby an apportionment of results as well as any specified period of validity can only be done for identically constructed products and only as long as the product is produced unchanged. Possible national or international restrictions concerning the terms of usability of test and classification reports have to be considered; this is not the responsibility of the test laboratory.

### Sample Material

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### Issuing

This test report is only issued as a PDF. Translations will be marked accordingly on the cover sheet.

### Quality Management, Accreditation And Notification

This issue replaces report ZH028 207977.1 EN version, dated 28.09.2022. Reason for revision: accreditation logo.

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End of Report