

KRAMIS
Talbachmatte 9
6147 Altbüron
Switzerland

Your Reference
Customer Number 73136
Contact Person Kramis Tim
E-Mail tim.kramis@kramis-teppich.ch

Zurich / 28.06.2024 / Chk

Test Report ZH028 207977.2 -2

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

Original Issuing, 29.09.2022

Reissuing of Report, 28.06.2024

Number Of Included Pages: 6

TESTEX AG

Swiss Textile Testing Institute



Robert Sporer

Technology Team Leader



Chantal Keller

Textile Technician

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1 Application

Date of Order	Scope of Order
25.08.2022	Classification Of Burning Behaviour - EN 13501-1 (2018-12)

2 Samples

No.	Receipt	Sample Identification
1	19.08.2022	The classification report defines the classification assigned to the construction product group "Pure new wool carpet, 23 x 105 cm, running direction longitudinal and transverse" according to the test methods specified in EN 13501-1.

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

3 Photo Overview

#1 Image 1



Pure new wool carpet,
 23 x 105 cm, running direction
 lengthwise and crosswise

4 Tests Performed / Results

Introduction:

The classification report defines the classification assigned to the construction product group "Pure new wool carpet, 23 x 105 cm, running direction longitudinal and transverse" according to the test methods specified in EN 13501-1.

Details of the classified construction product:

General:

The construction product group "Pure new wool carpet, 23 x 105 cm, running direction lengthwise and crosswise" is defined as floor covering, the classification is valid for the described intended use.

Description of the construction product:

The construction product group "Pure new wool carpet, 23 x 105 cm, running direction longitudinal and transverse" is defined according to EN 14041 as following:

Material of the wear layer:	Virgin wool (declaration by the applicant)
Construction:	heterogeneous
Character of the surface:	transparent
Type of floor covering:	smooth floor covering
Character of the surface:	grained surface
Colour/pattern of the surface:	marbled
Dimensions:	rolls
Total thickness*):	4.0 mm to 4.5 mm
Total weight *):	2200 g/m ² bis 2400 g/m ²
Wear layer thickness:	0.25 mm

The applicant of this classification report guarantees the observance of the instructions for building product groups according to EN 14041 as well as the observance of the instructions of the product specification according to EN ISO 26986.

The following articles belong to the construction product group "Pure new wool carpet, 23 x 105 cm, running direction lengthwise and crosswise":

Article	Total weight [g/m ²]	Wear layer thickness [mm]	Total thickness [mm]
Monarch	2200	0.25	4.0
Jewel	2400	0.25	4.5

Test reports and test results for the proof of the classification:

For building product groups preliminary trials with the heaviest/thickest and lightest/thinnest quality have to be carried out (for the most unfavorable case a complete test has to be carried out) respectively the test results of these “border-qualities” are used for the judgement. The classification is done according to the worst case (“Jewel”).

Test report:

Laboratory	OETI - Institut fuer Oekologie, Technik und Innovation GmbH, 1230 Vienna
Test methods	EN ISO 11925-2 and EN ISO 9239-1

Test results:

	Test results (mean value)	Number of tests
Ignitability, EN ISO 11925-2 Flame spread \leq 150 mm	yes	6
Burning behaviour, EN ISO 9239-1 Critical radiant flux	6.4 kW/m²	3
Integral of smoke obscuration	76 %.min	3

The burning behavior 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.

Classification and field of application:

Reference for classification:

This classification has been carried out in accordance with EN 13501-1.

Classification:

Due to the results of the tests carried out, the building product group “Pure new wool carpet, 23 x 105 cm, running direction longitudinal and transverse” can be classified as following.

Burning behaviour C_{fl}	Smoke emission s1
Classification C_{fl}-s1	

Field of application:

The classification applies to the construction product group described under “general” under the following end-use conditions:

Application	Horizontal laid floor covering in form of rolls
Subfloors	Not burnable subfloors of euroclass A1 _{fl} or A2 _{fl} with a density of at least 1350 kg/m ³ .
Installation	glued
Adhesive	<p>Dispersionsadhesive “Uzin KE 2000” (Producer: Uzin) or similar</p> <p>Note: According to EN 13501-1 the stated classification is valid for the tested floor covering together with the tested adhesive, as well as for all other adhesives of the same generic type as the tested adhesive.</p>

Limitations:

Notice:

This classification document does not represent type permission or certifying the product.

If a building product should be CE marked according to system 3 of the attestation of conformity systems, the classification stated with this report is suitable as a basis for the declaration of the producer according to the attestation of conformity system 3, together with a CE marking in the context of the directive relating to construction products.

If the manufacturer plans a CE marking in connection with conformity system 3, he has to give an explanation, which has to be attached to the relevant documents. This explanation confirms, that there are no the specific materials, production processes or procedures (e.g. no additives of flame retarding materials, delimitation of organic components or additions of fillers), which are improving the burning behavior to reach the obtained fire classification. As a consequence of this, the manufacturer drew the conclusion that the system 3 of the attestation of conformity systems is appropriate.

The testing laboratory therefore has played no role in the sampling procedure, although the testing laboratory keeps appropriate references from the manufacturer ready, in order to pursue the examined samples.

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

Results of performed tests only refer to the sample material provided. The testing period is defined as timeframe between receipt of samples and issue date of test report. Without explicit written other agreement testing is destructive and the sample material is transferred to the property of TESTEX, which is entitled to freely decide on storage and disposal.

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 207977.2-1 EN version, dated 29.09.2022. Reason for revision: Adaptation of the material description of the wear layer.

All tests are performed under a quality management system according to EN ISO/IEC 17025. TESTEX is accredited as a testing laboratory by the Swiss national accreditation body (SAS). The scope of accreditation is listed on www.testex.com. An accreditation logo on the test report indicates that at least one test method is accredited. Non-accredited test methods at TESTEX are marked with *. However, these test procedures were also performed to the same quality level as the accredited tests. Sampling, which is usually performed by the customer, is outside the accredited range. Conformity statements are based on specifications of the cited standard. The "simple acceptance rule" is applied. This means that the measurement uncertainty is determined, but not taken into account for the conformity statement. Due to the system of mutual recognition of national accreditations (ILAC), this accreditation is valid worldwide. According to the Accreditation and Designation Ordinance (AkkBV), the accreditation mark may only be used by the accredited conformity assessment body.

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End of Report