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Classification Report VN710 167131.2

Application

Classification of burning behaviour according to EN 13501-1.

Test Material

"Colorex plus"

The test material used for testing was made anonymous for laboratory purposes.
A detailed sample list is included in the document.

Issuing

Original Issuing, 20.04.2020
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OETI - Institute for Ecology, Technology and Innovation GmbH

A handwritten signature in blue ink, appearing to read "i.v. Vittek".

Ing. Hannes Vittek

Manager Flooring Technology & Interior Design



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Member of TESTEX Group





1 Application

Date of Order	Scope of Order
30.03.2020	Classification Of Burning Behaviour - EN 13501-1

2 Introduction

This classification report defines the classification assigned to the building product group "**Colorex plus**" in accordance with the test methods fixed in EN 13501-1.

3 Details of classified building product

3.1 General

The building product group "**Colorex plus**" is defined as flooring, the classification is valid for the end use application described under point 5.3.

3.2 Description of the building product

Material of the wear layer:	PVC (declaration by the applicant)
Construction:	heterogeneous
Character of the surface:	non transparent
Type of floor covering	smooth floor covering
Character of the surface:	grained surface
Colour/pattern of the surface	marbled
Dimensions:	Tiles (with dovetail connection)
Total thickness:	10.5 mm
Total weight:	12.4 kg/m ²
Floor covering type:	heterogeneousPVC floor covering according to EN ISO 10582

The applicant of this classification report guarantees the observance of the instructions for building product groups according EN 14041 as well as the observance of the instructions of the product specification according to EN ISO 10582.

The following articles are part of the building product group **"Colorex plus"**:

- "Colorex plus EC"
- "Colorex plus Basic"
- "Colorex plus R10"

The article of this group have the same basic formulation and construction, only differ by $\pm 0.1\%$ carbon black.

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

4.1 Test report

Laboratory	ÖTI
Test report number	VN710 167131.1
Article	“Colorex plus R10”
Date of issue	20.04.2020
Applicant	Forbo Giubiasco SA
Test methods	EN ISO 11925-2 and EN ISO 9239-1

4.2 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	10.6 kW/m²	3
Integral of smoke obscuration	259 %.min	3

5 Classification and field of application

5.1 Reference for classification

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

5.2 Classification

Due to the results of the tests carried out, the building product group "**Colorex plus**" can be classified as following.

Burning behaviour	Smoke emission
B_{fi}	s1
Classification	
B_{fi}-s1	

5.3 Field of application

The classification is valid for the building product group described in point 3 under the following end use conditions.

Application	Horizontal laid floor covering in form of tiles
Subfloors	Burnable subfloors of euroclass C _{fi} with a density of at least 510 kg/m ³ as well as not burnable subfloors of euroclass A1 _{fi} or A2 _{fi} with a density of at least 1350 kg/m ³ .
Installation	unglued and glued/adhered



6 Limitations

6.1 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 behaviour to reach the obtained fire classification. As a consequence from 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.

7 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 OETI. 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. Without explicit written other agreement testing is destructive and the sample material is transferred to the property of OETI, which is entitled to freely decide on storage and disposal.

Issuing

The valid first issue is done in paper and has single-handed signatures. Translations will be marked accordingly on the cover sheet.

Quality Management, Accreditation And Notification

All tests and services are performed under a quality management system according to EN ISO/IEC 17025 respectively EN ISO/IEC 17065. OETI is accredited as Testing Laboratory and Certification Body for products. It also is a Notified Body (NB0534). (see <http://ec.europa.eu/enterprise/newapproach/nando/>). Accreditation was provided by Akkreditierung Austria. The scope of accreditation is listed on www.oeti.biz. Due to the system for the mutual recognition of national accreditations (ILAC/IAF), this accreditation is valid worldwide.

In this report individual non-accredited test procedures are marked with *. Nevertheless, the analysis was also carried out for these parameters at the same level of quality as for the accredited parameters.

According to the decree on the use of the accreditation mark ("AkkZV") the accredited Conformity Assessment Body is the only one to use the accreditation mark. Application of the registration number of the Notified Body: As to personal protective equipment (PPE) the requirements of Regulation (EU) 2016/425 have to be kept. With construction products the application is only permitted within the declaration of performance for CE-marking.

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End of Report