

Textilní zkušební ústav

TEXTILNÍ ZKUŠEBNÍ ÚSTAV, s.p.
(TEXTILE TESTING INSTITUTE)

VÁCLAVSKÁ 6, 658 41 BRNO, CZECH REPUBLIC
NOTIFIED BODY No. 1021

PERFORMANCE ASSESSMENT PROTOCOL

In compliance with the Regulation (EU) No. 305/2011 of the European Parliament and of the Council of 9 March 2011 laying down harmonised conditions for the marketing of construction products, in the valid wording (Construction Products Regulation – CPR) – Annex V, art. 1.4 (system 3 of AVCP)

No.: 1021 – CPR – 16/141

Product: **NOVOFLOR EXTRA type 1002**
Variant: **NOVOFLOR EXTRA type 1002**
Heterogeneous vinyl floors coverings

Producer: **Fatra, a.s.**, třída Tomáše Bati 1541, 763 61 Napajedla, Czech Republic
ID: 27465021

Technical specification: • **EN 14041:2004/ AC:2006 Resilient, textile and laminate floor coverings – Essential characteristics** (art. 4.1 Reaction to fire, art. 4.3 Formaldehyde emission)

Test method: • **EN 13501-1:2007+A1:2009 Fire classification of construction products and building elements – Part 1: Classification using test data from reaction to fire tests**
○ EN ISO 11925-2
○ EN ISO 9239-1
• **EN 717-1:2004 Wood-based panels – Determination of formaldehyde release – Part 1: Formaldehyde release by the chamber method**

Terms of protocol application:

This Protocol applies to the product mentioned above and can be used only for this product. The Protocol must only be published in unshortened form. The Customer can publish a part of the Protocol only if approved by the Notified Body 1021. The Protocol remains in force as long as the conditions remain the same. This Protocol issued by Notified Body is only a part of the Performance Assessment Protocol and/but does not supply whole Performance Assessment Protocol.

Contract No. of Inspection Activity: 1021/16/15

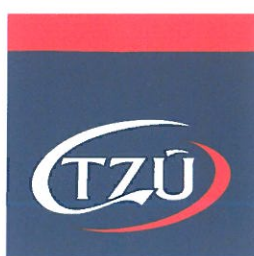
Number of pages: 5

Brno, May 31st 2016

Validity till, May 31st 2021




RNDr. Pavel Malčík
Managing Director



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1. INFORMATION ABOUT THE ASSESSED PRODUCT

1.1 Product description

NOVOFLOR EXTRA type 1002 is a heterogeneous vinyl floor covering consisted of three layers. Wear layer is transparent with pattern – outer face is printed, top side is with pattern. Floor covering NOVOFLOR EXTRA type 1002 is provided by PUR protective layer. Variant NOVOFLOR EXTRA AMOS type 1002 is not provided by PUR protective layer. Floor covering is produced in strip wound on roll.

Construction parameters of the product (declaration of producer):

Material composition:	polyvinylchloride
Total thickness:	2,0 mm (+0,13 mm; -0,10 mm)
Thickness of wear layer NFE:	0,8 mm (+13%; -10%)
Thickness of wear layer NFE AMOS:	0,7 mm (+13%; -10%)
Density of wear layer:	1280 ± 50 kg.m ⁻³
Total mass per unit area:	3,180 kg.m ⁻² (+13%; -10%)
Dimensions on roll:	width 1,5 m, length 12 m

Sampling was carried out by producer (flooring thickness 2,0 mm). The producer declares that this product does not contain any additives which can improve product behaviour from the point of reaction to fire.

1.2 Origin and final utilization of the product

These products NOVOFLOR EXTRA type 1002 and NOVOFLOR EXTRA AMOS type 1002 have been specified as “a classified product of type”. Test results and the classification of products apply to the following final application:

- The installation of the flooring is performed in full-area using dispersion adhesives on a concrete base. Installation shall be carried out according to instruction PN 5410/97.

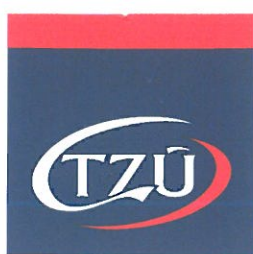
2. INFORMATION ABOUT THE ASSESSEMENT OF PRODUCT

2.1 Technical specification

Testing and the assessment of the product are performed to show conformity assessment with the harmonized standard requirements (**system 3 of assessment and verification of constancy of performance – Regulation No. 305/2011, Annex V, art. 1.4**).

EN 14041 Resilient, textile and laminate floor coverings – Essential characteristics (art. 4.1, art. 4.3, art. 5.2, Annex ZA).





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2.2 Test methods

Testing and the classification of the product NOVOFLOR EXTRA type 1002 NOVOFLOR EXTRA AMOS type 1002 and were performed according to the test methods in the standards:

- **EN 13501-1+A1** Fire classification of construction products and building elements – Part 1: Classification using test data from reaction to fire tests

The tests:

- **EN ISO 11925-2** Reaction to fire tests – Ignitability of building products subjected to direct impingement of flame – Part 2: Single-flame source test
- **EN ISO 9239-1** Reaction to fire tests for floorings – Part 1: Determination of the burning behaviour using a radiant heat source
- **EN 717-1** Wood-based panels – Determination of formaldehyde release – Part 1: Formaldehyde release by chamber method.
The test was carried out by modified procedure – Determination of formaldehyde in testing chamber in the test laboratory of VVUD, Prague.

2.3 Testing results

Results of the testing and test conditions are specified in the Test Protocols:

- No. AZL 16/0536, dated 27th May 2016, issued by the Accredited Testing Laboratory No. 1001 of TZÚ Brno,
 - No. MVZ - 02/16/318 dated 31st May 2016, issued by the Accredited Testing Laboratory No. 1031 of VVÚD Prague (MVZ Březnice).
- These Protocols are enclosed to this Protocol.

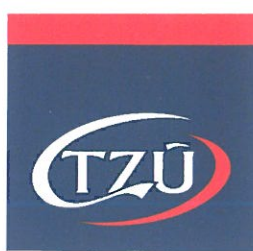
2.3.1 Reaction to fire - results

Test results - art. 4.1. Reaction to fire

Testing method	Characteristic	Value identified						Results	
								Average continual parameter (m)	Parameter of fulfilment
EN ISO 11925-2 exposure – 15 s	Flame spread: $F_s \leq 150$ mm	yes	yes	yes	yes	yes	yes	(-)	yes
EN ISO 9239-1	Critical flow (kW.m ⁻²)	9,2	9,0	9,2	9,2	9,2	9,2	CHF 9,1	(-)
	Smoke (%.minute)	180,0	180,0	150,0	150,0	150,0	150,0	170,0	

Legend: (-) - not related





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2.3.2 Formaldehyde emission - results

Test results - art. 4.3 Formaldehyde emission

Testing method	Characteristic	Requirement	Value identified	Evaluation
EN 717-1	Formaldehyde release	Class E1 $\leq 0,124 \text{ mg/m}^3$	0,003 mg HCHO/m ³	Satisfy

3. ASSESSMENT OF BUILDING PRODUCT AND AREA OF DIRECT APPLICATION

3.1 Reaction to fire

The classification has been performed in compliance with the articles 12.6 Class B_f and 12.9.2 s1 of the standard EN 13501-1+A1 (and art. 4.1.4 Classification of the standard EN 14041).

Testing method	Characteristic	Requirement	Value identified	Evaluation
EN ISO 11925-2 exposure – 15 s	Flame spread F _s	art. 12.6 F _s ≤ 150 mm	Flame didn't spread more than 150 mm	Satisfy
EN ISO 9239-1	Critical flow (kW.m ⁻²)	art. 12.6 ≥ 8 kW.m ⁻²	CHF 9,1	Satisfy
	Smoke (%.minute)	art. 12.9.2 ≤ 750 %.minute	170	Satisfy

Classification of these products **NOVOFLOR EXTRA type 1025 and variant NOVOFLOR EXTRA AMOS type 1025** according to the reaction to fire: **B_f**

Additional classification according to smoke generation: **s1**

Modification of floor covering classification according to the reaction to fire: B_f – s1

Behaviour during burning	Smoke generation	
B_f	s	1

3.1.1 Area of application

The present classification applies only for the assessed product with the parameters specified above (art. 1.1). The classification applies for the following final use of the product:

- underlying layer: the type testing results can be used if the density of practical underlying layer is min. 0,75 multiple of density of standard sub-floor base (according to EN 13238, art. 5.1)
- method of laying: laying to the base with use of dispersed adhesive without a content of solvent.





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3.2 Formaldehyde emission

The classification has been performed in compliance with the art. 4.3 of the standard EN 14041. On the basis of testing result these products **NOVOFLOR EXTRA type 1025 and variant NOVOFLOR EXTRA AMOS type 1025** shall be declared as **formaldehyde class E1**.

4. REGULATIONS OF UTILIZABILITY

4.1 Limitation

The results of tests and performance assessment apply as long as the conditions remain the same. If the change occurs in the product, the raw material or supplier of the components, or the production process, which would change significantly one or more of the characteristics the tests shall be repeated for the appropriate characteristic.

This Performance assessment protocol is valid till 31st May 2021 provided the technical parameters of product are not changed.

4.2 Utilizability

The producer can use this protocol for drawing up a declaration of conformity according to requirement of the standard EN 14041 (annex ZA - art. ZA.2.2.2) - **Declaration of Performance according to CPR**. This Declaration of Performance entitles the producer to affix CE marking on the product (according to annex ZA - art. ZA.3 of the standard EN 14041).

5. LIST OF DOCUMENTATION FOR THE PROTOCOL ELABORATION

1. Application for tests and assesment of the product No. 1021/16/141.
2. Construction and technical parameters of these products NOVOFLOR EXTRA type 1002 NOVOFLOR EXTRA AMOS type 1002 (PND 5-245-97).
3. Test Protocol No. AZL 16/0536, dated 27th May 2016, issued by the Accredited Testing Laboratory No. 1001 of TZÚ Brno.
4. Test Protocol No. MVZ - 02/16/318 dated 31st May 2016, issued by the Accredited Testing Laboratory No. 1031 of VVÚD Prague (Material and product testing department Březnice).

Protocol issued by:

Jitka Pačlová
Certification Body

Protocol checked by:

Ing. Svatava Horáčková
Head of Certification Body

