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## Protocol of initial test of type

according to §6, paragraph 1, a) a § law NRSR numb. 90/1998 about building products

**numb.: Z-20/072/08/3501/SB**

**Product:** Multi-layer parquet flooring

**Tested product:** Three-layer parquet flooring, thickness 14,5 mm

This Protocol of initial test of type is in conformity with properties as follows:  
reaction to fire (CWFT) – class  $D_{fl-s1}$ , emission of formaldehyde (Class E1), content of pentachlorophenol ( $\leq 5$  ppm), biological durability (Use class 1), dimensions, moisture

**according to these law rules and technical specifications:**

EN 14342: 2005 + EN 14342: 2005/AC:2007

**Information of suitability of use the product in building:**

Product is designated for internal use as flooring in dry conditions with reaction to fire Class  $D_{fl-s1}$  for multilayer with surface coating and not specified above, minimum mean density  $500 \text{ kg/m}^3$ , minimum overall thickness 14 mm with or without air gap underneath. In construction work are installed coated, varnished or oil-paint., in accordance with instruction of manufacturer by nailed or across the board glued on surface with at least class A2-s1,d0.

### 1. General information

- |     |                           |   |
|-----|---------------------------|---|
| 1.1 | <b>Number os samples:</b> | 1 packing, six pieces ( $2,07\text{m}^2$ ) with dimensions (14,5 x 190 x 1820) mm |
| 1.2 | <b>Way of delivery:</b>   | The customer has delivered samples according to specification in agreement        |
| 1.3 | <b>Place of delivery:</b> | -   |
| 1.4 | <b>Date of delivery:</b>  | 19.2.2008   |

### 1.5 Rules and bases which have been used for performing of initial test

- EN 14342: 2005 Wood flooring. Characteristics, evaluation of conformity and marking (STN EN 14342:2005)
- EN 14342:2005/AC: 2007 Wood flooring. Characteristics, evaluation of conformity and marking (STN EN 14342:2005)
- EN 13489: 2002 Wood flooring. Features of multilayer flooring (STN EN 13489: 2004)
- EN 335-2: 2006 Durability of wood and products on base of wood. Definition of class use.  
Part 2: The use for built wood (STN EN 335-2: 2007)
- Test report number 277166, 31.08.2007, issued by EPH Entwicklungs- und Prüflabor Holztechnologie GmbH, Zellescher Weg 24, D-01217 Dresden
- Contract number Z-20/072/08

### 1.6 Description of product:

Three-layer parquet flooring with dimensions (14,5 x 145/190 x 1820 mm) consists of a surface layer of the hardwood (species - oak, beech, ash, walnut, merbau, kempas, jatoba, hevea and others) with thickness (3,6 ±0,1) mm consists of one or three strip, middle layer of wood elements with thickness (9 ±0,1) mm and under layer veneer thickness (2 ±0,1) mm. The surface layer is finished with UV acrylic lacquer from producer Klumpp.

In construction work are installed according to the instruction of manufacturer or across the board glued on surface or by nailed

### 1.7 Information about previous initial test of type: -

## 2. Technical tests of product:

Concerning to the initial test of type, the test has been performed as follows:

**Test:** reaction to fire has not been performed. The result has been taken from STN EN 14342, table 1- Class of reaction to fire for wood flooring (class according to EN 13501-1) for multilayer parquet with surface treatment and no specified before, average minimum density 500 kg/m<sup>3</sup>, minimal total thickness 14 mm, on bottom with or without air gap, class D<sub>fl</sub> – s1.

**Test:** emission of formaldehyde has not been performed. The result has been taken from the Test report number 277166, 31.08.2007, issued by EPH Entwicklungs- und Prüflabor Holztechnologie GmbH, Zellescher Weg 24, D-01217 Dresden

**Test:** content of pentachlorophenol has not been performed. The result has been taken from the Test report number 277166, 31.08.2007, issued by EPH Entwicklungs- und Prüflabor Holztechnologie GmbH, Zellescher Weg 24, D-01217 Dresden

**Test:** biological durability has not been performed. The result has been taken from STN EN 14342, article 4.3 and Appendix A for a wood flooring (species – oak, beech, ash, walnut, merbau, kempas, jatoba, hevea and others), use class 1 (according to EN 335-2), it meansthat risk of surface attack by molds and mushrooms can be caused the blueness or ligniperdous mushrooms is unimportant (wood must not have moisture content higher than 20% during lifetime).

**Test:** dimensions, moisture have been performed by Lignotesting, a.s., Test laboratory of materials and products, Bratislava. The results are in Protocol of test number 800/20/0116/078, 27.03.2008, which is appendix of the protocol of initial test.

Results and evaluation of individual tests are in final table:

Character, test	Basic requirements	Number of tests	Test method	Way of evaluation	Rule and criterion for declaration of conformity	Determined compared value	Evaluation
Reaction to fire	2	-	-	EN 14342 Table 1	EN 14342 Table 1 Classes of reaction to fire for flooring $C_n, D_n, E_n, F_n$	STN EN 14342 table 1 table value reaction to fire class $D_n - s1$	Suitable class $D_n - s1$
Emission of formaldehyde	3	-	EN 717-1	EN14342 Appendix B	EN 14342 Appendix B Class E1 $\leq 0,124 \text{ mg/m}^3$	Determined value of formaldehyde (after 423 hours) $0,04 \text{ mg/m}^3$	Suitable class E1
Content of pentachlorophenol (PCP)	3	-	CEN/TR 14823	EN14342 article 5.3	EN14342 article 5.3 $\leq 5 \text{ ppm}$	Not detectable value of PCP content	Suitable (not to declare)
Slipperiness	4	-	-	EN14342 article 5.5	EN14342 article 5.5	NPD	NPD
Biological durability	4	-	-	EN14342 article 4.3	EN14342 article 4.3 STN EN 335-2 Use class 1,2,3,4,5	STN EN 335-2 Use class 1 it means that risk of surface attack by molds or mushrooms can be caused the blueness or ligniperdous mushrooms is unimportant	Suitable use class 1
Dimensions	-	10	STN EN 13647	STN EN 13647	EN 13489 top layer $\geq 2,5 \text{ mm}$ width ...value $\pm 0,2 \text{ mm}$	Determined differences in mm (14.5x190x1820) average value 3.51 mm  the highest difference -0.00/+0.20 mm	Suitable
Moisture (time of delivery)	-	10	STN EN 13183-1	STN EN 13183-1	EN 13489 from 5% to 9%	average value 7.94%	Suitable

**Basic requirements:**

**2./ fire security of building**

- reduce to spread the fire and products of combustion in building

**3./ hygiene, protection of healthy and environment**

it doesn't threaten the environment by existence of dangerous particles or gas in air

**4./ safety in use**

**3. List of appendixs**

1. Protocol of tests number 800/20/0116/08, 27.03.2008, issued by Lignotesting, a.s., Bratislava