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Dresden, 12/09/2018  
MPET

## Test Report Order No. 2718156

**Client:** KASTAMONU INTEGRATED WOOD INDUSTRY LLC  
SEZ «Alabuga»  
SH-3 street, building 3/3  
Elabuga, Tatarstan, 423600  
Russia

**Date of order:** 28/08/2018

**Order:** Determination of the resistance against soft chair rolls  
according to EN 425:2002

**Contractor:** EPH – Laboratory Surface Testing

**Engineer in charge:** Dipl.-Ing. (FH) M. Peter



Dr.-Ing. R. Emmeler  
Head of Laboratory Surface Testing

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These test results are exclusively related to the tested material.

## 1 Task

The accredited laboratory Entwicklungs- und Prüflabor für Holztechnologie GmbH (EPH) was commissioned by KASTAMONU INTEGRATED WOOD INDUSTRY LLC in Tatarstan / Russia to carry out the determination of the resistance against soft chair rolls according to EN 425:2002 on laminate floor coverings.

## 2 Material

For the test, the client has sent following laminate floor coverings - (entrance at the EPH laboratory 21/08/2018):

Variant	Discription	
1	ORN32RV-FP953.1 8X195X1380 SAN-MARIN OAK	8 mm – Class 32
2	RUB33CV-556 12X159X1380 OAK MALEVICH	12 mm – Class 33
3	AF32CV-519 10X159X1380 AMERIC WALNUT WH	10 mm – Class 32
4	AF33T-524 10X193X1380 VARNA OAK	10 mm – Class 33
5	PNK31T-FP163 8X195X1380 OAK SUNNY	8 mm – Class 31
6	YEL32T-FP09 8X193X1380 ONTARIO OAK	8 mm – Class 32
7	BLU33TV-FP40 8X193X1380 PALERMO OAK CLAS	8 mm – Class 33
8	GRN31W-FP103 7X195X1380 JAKARTA OAK	7 mm – Class 31
9	ID32T-02 7X195X1380 OAK FASHION	7 mm – Class 32
10	AF31W-501 6X195X1380 HUDSON OAK	6 mm – Class 31

### 3 Determination of the resistance against soft chair rolls according to EN 425:2002

#### Test description

The determination of the resistance against soft chair rolls was carried out according to EN 425:2002 with a castor chair device (Fig. 1) after 25,000 revolutions with soft chair rolls (Type W, soft tread, according to EN 12529:1998, chapter 4.2.2 and 5.4.4.2).

The chair roll treads are made of polyurethane according to EN 425:2002, chapter 4.1.3 and the surfaces of the chair rolls are flat, with no grooves or tough encrustations.

The test was carried out without the integrated underlay.

The castor chair device consists of a circular table and a mobile plate. The circular table moves at a speed of 20 min<sup>-1</sup>. The direction of rotation is changed after each 60 revolutions with a break of 5 s. On a mobile plate, which rotates in the same direction as the circular table with a speed of 50 min<sup>-1</sup>, three chair castors are attached. The applied weight load on the test specimen (surface area of 100 mm x 100 mm) is 90 kg (30 kg per chair roll).



Fig. 1: Castor chair device for the determination of the resistance against soft chair rolls according to EN 425:2002

The tests were carried out: 24/08/2018 – 06/09/2018

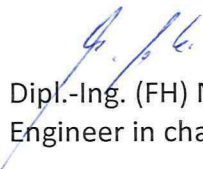
### 4 Results

Variant	Description of the damages / changes after 25,000 revolutions
1	no visible change / damages
2	no visible change / damages
3	no visible change / damages
4	no visible change / damages
5	no visible change / damages
6	no visible change / damages
7	no visible change / damages
8	no visible change / damages
9	no visible change / damages
10	no visible change / damages

## 5 Evaluation

The tested variants of laminate floor coverings can be evaluated for the tested property "Resistance against soft chair rolls" according to EN 13329:2017 Table 2 as following:

Variant	Property	Results	Classification requirements according to EN 13329:2017 Table 2
1	Resistance against soft chair rolls according to EN 425:2002	no visible change / damages	Classes 21-23 and 31-33 are fulfilled
2		no visible change / damages	Classes 21-23 and 31-33 are fulfilled
3		no visible change / damages	Classes 21-23 and 31-33 are fulfilled
4		no visible change / damages	Classes 21-23 and 31-33 are fulfilled
5		no visible change / damages	Classes 21-23 and 31-33 are fulfilled
6		no visible change / damages	Classes 21-23 and 31-33 are fulfilled
7		no visible change / damages	Classes 21-23 and 31-33 are fulfilled
8		no visible change / damages	Classes 21-23 and 31-33 are fulfilled
9		no visible change / damages	Classes 21-23 and 31-33 are fulfilled
10		no visible change / damages	Classes 21-23 and 31-33 are fulfilled

  
Dipl.-Ing. (FH) M. Peter  
Engineer in charge