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TÜV EESTI OÜ

Masina 11, 10144 Tallinn, Estonia
tel +372 66 78 080 ; fax +372 66 78 086
e-mail: info@tuev-nord.ee

Testing Laboratory:
Tulekatsete labor

Vana-Narva mnt. 24B, Maardu, Estonia
tel +372 63 79 306; faks +372 63 79 601
e-mail: test@tuev-nord.ee



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CLASSIFICATION OF REACTION TO FIRE in accordance with EVS-EN 13501-1:2007+A1:2009

SPONSOR: OÜ Inku Kapitali

ADDRESS : Tsooru mnt 31, Antsla, Võru county, Estonia, EU

MANUFACTURER: OÜ Inku Kapitali

ADDRESS : Tsooru mnt 31, Antsla, Võru county, Estonia, EU

PREPARED BY: TÜV EESTI OÜ

NOTIFIED BODY No: 1526

PRODUCT NAME : in-situ formed loose fill cellulose insulation product

CLASSIFICATION REPORT : TEK- 092/13en

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1. Introduction.

This classification report defines the resistance to fire classification assigned to formed loose-fill cellulose insulation product in accordance with the procedures given in EVS-EN 13501-1:2007+A1:2009.

2. Classified product.

2.1 General

Product is defined as in-situ formed loose fill cellulose insulation product.

2.2 Description

The loose-fill cellulose insulation product is fully described in test report 008-13TM and 030-12TM. Density of tested specimens was 40 kg/m³.

3. Test reports / extended application reports and test results in support of the classification.

3.1. Test reports and extended application reports

Test Laboratory	Name of sponsor	Test report and date	Test method
TÜV Eesti OÜ	OÜ Inku Kapitali	No. 030-12TM of 29.01.2013	EVS-EN 13823:2010
		No. 008-13TM of 09.01.2013	EVS-EN ISO 11925-2: 2010

3.2. Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter	Compliance
EVS-EN ISO 11925-2:2010	Flame spread in excess of 150 mm vertically (applied to surface)	6	No	Compliant
EVS-EN 13823: 2010	Figra 0,2 MJ (W/s)	3	559,1	
	Figra 0,4 MJ (W/s)		344,2	
	THR 600 s (MJ)		5,7	
	Lateral flame spread (LFS) reach to edge?		No	
	SMOGRA (cm ² /s ²)		9,4	
	TSP 600 (m ²)		89,3	
	Flaming droplets/particles (flaming <= 10s)		No	
	Flaming droplets/particles (flaming > 10s)		No	



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4. Classification and field of application

4.1 Reference on classification.

This classification has been carried out in accordance with clause 8 of EVS-EN 13501-1:2007+A1:2009

4.2 Classification.

The formed loose-fill cellulose insulation product is classified according to the following combination of performance parameters and classes as appropriate.

Fire behaviour		Smoke production		Flaming droplets	
D	-	s	2	-	d 0

Reaction to fire classification: D-s2, d0

4.3 Field of direct application.

This classification is valid to in-situ formed loose fill cellulose insulation product for the following end use applications:

- to vertical and horizontal non-combustible surfaces.
- maximum thickness of insulation layer up to 400 mm.

5. Limitations

This classification report does not represent type approval or certification of the product.

On behalf and by authority of TÜV Eesti OÜ.

Approved by F. Haas