

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

SPONSOR: Werrowool OÜ

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

MANUFACTURER: Werrowool OÜ

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

PREPARED BY: TÜV EESTI OÜ

NOTIFYED BODY No: 1526

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

CLASSIFICATION REPORT : TEK- 226/18en

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1. Introduction.

This classification report defines the reaction to fire classification assigned to in-situ 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 020-18TM and 024-18TM. Density of tested specimens was 43 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	Werrowool OÜ	No. 020-18TM of 31.05.2018	EVS-EN 13823:2010+A1:2015
		No. 024-18TM of 31.05.2018	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+A1: 2015	Figra 0,2 MJ (W/s)	3	54	
	Figra 0,4 MJ (W/s)		36	
	THR 600 s (MJ)		3,6	
	Lateral flame spread (LFS) reach to edge?		No	
	SMOGR (cm ² /s ²)		Threshold not reached	
	TSP 600 (m2)		31	
	Flaming droplets/particles (flaming <= 10s)		No	
	Flaming droplets/particles (flaming > 10s)		No	

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

Fire behaviour		Smoke production			Flaming droplets	
B	-	s	1	-	d	0

Reaction to fire classification: B-s1, d0

4.3 Field of direct application.

This classification is valid to in-situ formed loose fill cellulose insulation product Ecowool 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