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CLASSIFICATION OF FIRE RESISTANCE in accordance with EVS-EN 13501-2:2007 + A1:2009

SPONSOR: LTD „WWL Houses“, Jelgavas str 27, Kalnciems, LV-3016 Latvia
Riga Technical University, Kalku str 1, Riga LV-1658, Latvia
LTD “Trinity Capital”, Balta str 3/9, Riga LV-1055, Latvia

MANUFACTURER: LTD “WWL Houses”

ADDRESS : Jelgavas street 27, Kalnciems, Jelgavas region, Latvia, LV-3016

PREPARED BY: TÜV EESTI OÜ

NOTIFIED BODY No: 1526

PRODUCT NAME : Timber door in timberframe wall 248,5 mm, EI45

CLASSIFICATION REPORT : Draft

ISSUE NUMBER :

DATE OF ISSUE : 15.05.2013



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1. Introduction.

This classification report defines the resistance to fire classification assigned to element Timber Door with glazing in accordance with the procedures given in EVS-EN 13501-2:2007+A1:2009.

2. Classified product.

2.1 General

The element Timber Door with glazing is defined as double rebated timber framed balcony door with glazing.

2.2 Description

The element Timber Door with glazing is fully described in test report listed in clause 3.1.

Door frame dimensions: Width 980 mm, height 2026 mm, thickness 92 mm.

Door leaf dimensions: Width 900 mm, height 1930 mm, thickness 92 mm.

Glazing dimensions: Width 766 mm, height 1737 mm, thickness 23 mm.

Glazing type: Fireswiss Foam 60-23 EI60, manufacturer Glas Trösch AG

Leaf fixings: Hinges 2 pieces, lock mechanism Uni-Jet with 6 locking points.



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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	WWL Houses	No. 325-11TPS of 23.01.2012	EN 1634-1:2008 EN 1363-1:1999

3.2. Test results

Test method number, date	Parameter	Results
EN 1364-1:2008	Supporting construction	Timber frame wall with thickness 248 mm
	Door	Opening away from fire
	Integrity (E)	
	Cotton pad	no ignition
	Gap gauges (cracks or openings in excess of given dimensions)	no failure
	Sustained flaming ¹⁾	Flaming in test time 47 minutes
	Thermal insulation (I)	
	mean temperature rise on the unexposed face of the wall element over 140° C above the initial mean temperature	no failure
	maximum temperature rise on the unexposed side of the wall element over 180° C above the initial mean temperature	no failure
	Radiation (W)	
	An element which satisfies the thermal insulation criterion is also deemed to satisfy the W requirement for the same period	According to thermal insulation criterion

Test was stopped at **61** minutes.

¹⁾ Sustained flaming during the 10 seconds or longer.



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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 7 of EVS-EN 13501-2:2007+A1:2009

4.2 Classification.

The element Timber Door with glazing is classified according to the following combination of performance parameters and classes as appropriate.

R	E	I	W		t	t		M	S	C	IncSlow	sn	ef	r
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Fire resistance classifications: EI45-ef

4.3 Field of direct application.

This classification is valid for the following end use applications:

WWL Houses element Timber Door with glazing (product in scope of EN 1634-1:2008) can be used as a separating element of 45 minutes fire resistance in timber frame wall that has a greater fire resistance. Element has fire resistance ability from external side according to external fire exposure conditions.

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

Appendix 1 2 pages, drawings 1 and 2.