

**Certificate No:** ET-0184-16

**Name and address of the sponsor:** Haapsalu Uksetehase AS, Masti tn. 8, Uuemõisa alevik, 90401 Haapsalu linn, Lääne maakond, ESTONIA

**Name and address of the producer:** Haapsalu Uksetehase AS, Masti tn. 8, Uuemõisa alevik, 90401 Haapsalu linn, Lääne maakond, ESTONIA

**Product:** Fire, smoke and sound rated wooden door EI<sub>1</sub>30

**Date:** 18.03.2019

## 1. Essential characteristics and performance

Classification according to EN 13501-2:2016: EI<sub>1</sub>30 – Sa/S<sub>200</sub>.

Essential characteristics	Performance								
	E15	E20	E30	E45	E60	E90	E120	E180	E240
Resistance to fire	EI <sub>1</sub> 15	EI <sub>1</sub> 20	EI <sub>1</sub> 30	EI <sub>1</sub> 45	EI <sub>1</sub> 60	EI <sub>1</sub> 90	EI <sub>1</sub> 120	EI <sub>1</sub> 180	EI <sub>1</sub> 240
	EI <sub>2</sub> 15	EI <sub>2</sub> 20	EI <sub>2</sub> 30	EI <sub>2</sub> 45	EI <sub>2</sub> 60	EI <sub>2</sub> 90	EI <sub>2</sub> 120	EI <sub>2</sub> 180	EI <sub>2</sub> 240
	-	EW20	EW30	-	EW60	-	-	-	-
	Sa			S <sub>200</sub>					
Smoke control	Sa			S <sub>200</sub>					
Self closing	C0	C1	C2	C3	C4	C5			

## 2. Product specification and field of application

Detail	max W, mm	max H, mm	max A, m <sup>2</sup>
Door leaf if smoke control Sa is declared	1481	3264	3,40
Door leaf if smoke control S <sub>200</sub> and/or fire resistance EI <sub>1</sub> 30 is declared	1064	2346	2,26
Thickness of the door leaf	62 mm		
Frame profile	(42/30 x 92) mm		

Field of application for fire resistance	Field of application for smoke control
The number of leaves and the mode of operation shall not be changed.	
The thickness of the door leaf or leaves shall not be reduced but may be increased.	
The cross-sectional dimensions and/or the density of the timber frames (including rebates) shall not be reduced but may be increased.	
If hinges TE 540 3D FR are used, the cross-section of the frame shall be (54 x 92) mm.	
Doorset may be mounted with wooden threshold or with automatic drop seal Schall-Ex Duo L-15.	In case of Sa doorset may be mounted with wooden threshold, with automatic drop seal Schall-Ex Duo L-15 or without threshold.  In case of S <sub>200</sub> doorset may be mounted with wooden threshold or with automatic drop seal Schall-Ex Duo L-15.

Glass panes / non-glass panel	max W, mm	max H, mm	max A, m <sup>2</sup>
Pyrobel 16, thickness 17 mm	190	1720	0,32
Pyrostop 30-10, thickness 15 mm	201	1960	0,38
Contraflam EI30-16, thickness 16 mm	759	1960	1,35

Field of application for fire resistance	Field of application for smoke control
Doorset may be produced with glazing or without glazing.	
The minimum permitted distance between the edge of glazing and the vertical edge of leaf is 130 mm.	
The minimum permitted distance between the edge of glazing and the horizontal edge of leaf is 130 mm.	

Sealing of the door leaf and frame	
Intumescent sealing (4,0 x 10) mm	1 on top and on vertical frame members; 1 on bottom edge of doorleaf
Silicone sealing (18 x10) mm	on perimeter of doorleaf

Hardware	If fire resistance is declared	If smoke control is declared
Lock + Striking plate	Abloy 4190 + Abloy 4690; Abloy 4290 + Abloy 4690; ASSA 565 +ASSA 2865-1; Ving Card Signature 3G RFID + Abloy 5958	
Hinges /3 per leaf /	Pandoor Zn; Abloy N3248-110TMKSS; TE 340 3D FR; TE 540 3D FR	
Lead cover	EA 281	
Alarm contact	EA 501	
Letter plate	PRIMO 30	-
Door viewer	SWLAF RF30; E1500371	
Mechanical doorbell	Abloy 64A L	

Field of application for fire resistance	Field of application for smoke control
The number of hinges may be increased but shall not be decreased. Upper and lower hinge is positioned 250 mm from the edge of doorleaf.	
Position of lock is 1020 ± 200 mm from lower edge of doorleaf.	

### 3. General field of application

Field of application for fire resistance	Field of application for smoke control
The door leaf and the door frame may be painted.	
Decorative laminates and timber veneers up to 1,5 mm thickness may be added to the faces (but not the edges) of leaves in doorsets which satisfy the insulation criteria.	
Edge band with a thickness up to 2 x 0,6 mm may be added to the edges of the doorleaf.	
Doorset may be mounted in rigid and in flexible supporting construction.	
Doorset may be mounted in modular partition wall	-

