

**Certificate No:** ET-0203-17

**Name and address of the sponsor:** Haapsalu Uksetehase AS, Masti 8, Uuemõisa 90401, Ridala vald, Lääne maakond, ESTONIA

**Name and address of the producer:** Haapsalu Uksetehase AS, Masti 8, Uuemõisa 90401, Ridala vald, Lääne maakond, ESTONIA

**Product:** Fire, smoke and sound rated wooden door EI<sub>130</sub> ITS

**Date:** 22.08.2017

## 1. Essential characteristics and performance

Classification according to EN 13501-2:2016: EI<sub>130</sub> – Sa/S<sub>200</sub> – C5.

Essential characteristics	Performance								
	E15	E20	E30	E45	E60	E90	E120	E180	E240
Resistance to fire	EI <sub>15</sub>	EI <sub>20</sub>	EI <sub>30</sub>	EI <sub>45</sub>	EI <sub>60</sub>	EI <sub>90</sub>	EI <sub>120</sub>	EI <sub>180</sub>	EI <sub>240</sub>
	EI <sub>215</sub>	EI <sub>220</sub>	EI <sub>230</sub>	EI <sub>245</sub>	EI <sub>260</sub>	EI <sub>290</sub>	EI <sub>2120</sub>	EI <sub>2180</sub>	EI <sub>2240</sub>
	-	EW20	EW30	-	EW60	-	-	-	-
	S <sub>a</sub>			S <sub>200</sub>					
Smoke control	S <sub>a</sub>			S <sub>200</sub>					
Self closing	C0	C1*	C2*	C3*	C4*	C5*			

\* The self-closing classifications C1-C5 cover only single leaf doors with a maximum door leaf weight of 99 kg and fitted with the following hardware: hinges TE 540 3D FR, lock ASSA 565, striking plate ASSA 2865-1, closer Dorma ITS96 EN2-4 + slide channel G96N20.

## 2. Product specification and field of application

Detail	max W, mm	max H, mm	max A, m <sup>2</sup>
Door leaf if only self closing or self closing and fire resistance and/or smoke control is declared	1025	2333	2,39
Door leaf if only fire resistance or fire resistance and smoke control is declared	1152	2567	2,68
Door leaf if only smoke control is declared	1178	2682	2,86
Door leaf if only smoke control S <sub>a</sub> is declared	1640	3732	4,30
Thickness of the door leaf	62 mm		
Frame profile	(54/42/27 x 92(80/30) 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.	
Wooden threshold or automatic drop seal Schall-Ex Duo L-15 is allowed.	

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	2 on top and on vertical frame members; 1 on bottom edge of doorleaf
Silicone sealing (18 x10) mm	1 on top and on vertical frame members; 1 on bottom edge 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; multi-point lock GU-SECURY Sec 2110 65/72/24x3/1750 + B9000-0873	
Hinges /3 per leaf /	TE 540 3D FR	
Closer	Dorma ITS96 EN2-4 + slide channel G96N20	
Lead cover	EA 281	
Alarm contact	EA 501; DC 106	
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 hinge is positioned 238 mm and lower hinge is positioned 225 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 of 2 x 0,6 mm on the edges of doorleaf.	
Doorset may be mounted in rigid and in flexible supporting construction.	
Doorset may be mounted in modular partition wall	-

