

**Certificate No:** ET-0222-18

**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 EI15

**Date:** 25.02.2020

## 1. Essential characteristics and performance

Classification according to EN 13501-2:2016: EI<sub>15</sub> – Sa/S<sub>200</sub>

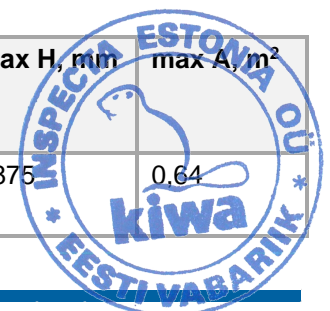
Essential characteristics	Performance								
	E15	E20	E30	E45	E60	E90	E120	E180	E240
Resistance to fire	EI <sub>15</sub>	EI <sub>20</sub>	EI <sub>30</sub>	EI <sub>45</sub>	EI <sub>60</sub>	EI <sub>90</sub>	EI <sub>120</sub>	EI <sub>180</sub>	EI <sub>240</sub>
	EI <sub>215</sub>	EI <sub>220</sub>	EI <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	EW90	EW120	-	-
Smoke control	S <sub>a</sub>					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 with glazing, if fire resistance is declared	1025	2135	2,18
Door leaf without glazing, if fire resistance is declared	1178	2455	2,62
Door leaf with or without glazing, if smoke control S <sub>a</sub> is declared	1667	3426	4,02
Door leaf with or without glazing, if smoke control S <sub>200</sub> is declared	1198	2462	2,68
Thickness of the door leaf	39,5 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 shall not be reduced but may be increased provided the total increase in weight is not greater than 25 %.	
The cross-sectional dimensions and/or the density of the timber frames (including rebates) shall not be reduced but may be increased.	

Glass panes / non-glass panel	Allowed performance		maxW, mm	max H, mm	max A, m <sup>2</sup>
	fire resistance	smoke control			
Pyrodur 30-203, thickness 11 mm	EI15	Sa/S <sub>200</sub>	345	1875	0,64
Tempered glass, thickness 10 mm	-	Sa/S <sub>200</sub>			



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 stripe on bottom edge of doorleaf and on top and on vertical frame members
Thermoplastic polymer sealing (5 x 12) mm	on top and on vertical frame members

Hardware	
Lock	ASSA 565; Abloy 4190
Striking plate	ASSA 2860-5; Abloy 4691
Hinges /3 per leaf/	Assa Abloy MV 110-KS; Abloy NTR110-30TSS; Fiskostar MV 110-KS *
Closer	Abloy DC 335*
Lead cover	EA 281
Alarm contact	EA501

\* Not allowed if fire resistance is declared

Field of application for fire resistance	Field of application for smoke control
Position of lock is $1016 \pm 200$ mm from lower edge of doorleaf.	
The number of hinges may be increased. The number of hinges may be decreased provided the distance between hinges is $\leq 820$ mm.	
Distance between the centre of the upper hinge and the edge of doorleaf is 100 mm – 255 mm. Distance between the centre of the lower hinge and the edge of doorleaf is 100 mm – 246 mm.	Distance between the centre of the upper hinge and the edge of doorleaf is max 355 mm. Distance between the centre of the lower hinge and the edge of doorleaf is max 346 mm.

### 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.	
Doorset may be installed only with mechanical threshold Schall-Ex Duo L-15, with mechanical threshold Schall-Ex Duo L-15 and wooden threshold or only with wooden threshold.	In case of Sa doorset may be installed only with mechanical threshold Schall-Ex Duo L-15, with mechanical threshold Schall-Ex Duo L-15 and wooden threshold, only with wooden threshold or without threshold.  In case of S <sub>200</sub> doorset may be installed only with mechanical threshold Schall-Ex Duo L-15 or with mechanical threshold Schall-Ex Duo L-15 and wooden threshold.
Doorset may be mounted in standard high density rigid, in standard low density rigid and in standard flexible supporting construction.	
Installation gap $\leq 30$ mm on top, $\leq 20$ mm on vertical edge and $\leq 10$ mm on bottom shall be sealed as follows: wool + fire rated PU foam + installation mastic.	

Field of application for fire resistance	Field of application for smoke control
Sealing of the installation gap must be covered with soft wood architraves (12 x 70) mm.	-

