

**Certificate No:** ET-0393-24

**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:** 30.04.2024

## 1. Essential characteristics and performance

Classification according to EN 13501-2:2023: **EI<sub>15</sub> – Sa<sub>4</sub>/S<sub>200</sub>**

Essential characteristics	Performance										
		15	20	30	45	60	90	120	180	240	360
Resistance to fire	E	15	20	30	45	60	90	120	180	240	360
	EI <sub>1</sub>	15	20	30	45	60	90	120	180	240	360
	EI <sub>2</sub>	15	20	30	45	60	90	120	180	240	360
	EW	15	20	30	45	60	90	120	180	240	360
Smoke control	S <sub>a</sub>	3					4				
	S <sub>200</sub>										
Resistance to fire	C	0	1	2	3	4	5				



## 2. Product specification and field of application

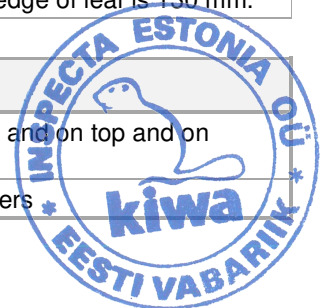
Detail	max W, mm	max H, mm	max A, m <sup>2</sup>
Door leaf with glazing, if fire resistance is declared	1025	2135	2,18
Door leaf without glazing, if fire resistance is declared	1178	2455	2,62
Door leaf with or without glazing, if smoke control is declared	1042	2141	2,23
Thickness of the door leaf	39,5 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.	
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 0,7 mm on the edges of doorleaf if needed.	
The cross-sectional dimensions and/or the density of the timber frames (including rebates) shall not be reduced but may be increased.	
The door leaf and the door frame may be painted.	
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 Sa3 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 Sa4 and 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.

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

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	If fire resistance is declared	If smoke control is declared
Lock + striking plate	ASSA 565 + ASSA 2860-5; Abloy 4190 + 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	

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 upper hinge and upper edge of leaf is 250 mm, distance between the centre of lower hinge and lower edge of leaf is 255 mm.	
Minimum distance between the edge of endmost hinge and edge of leaf may be 100 mm.	

### 3. General field of application

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

