

**Certificate No:** ET-0399-24

**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 double leaf door EI30

**Date:** 28.05.2024

## 1. Essential characteristics and performance

Classification of solid door according to EN 13501-2:2023: **EI<sub>1</sub>30 – Sa<sub>4</sub>/S<sub>200</sub> – C5**.

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

Classification of glazed door according to EN 13501-2:2023: **EI<sub>2</sub>30 – Sa<sub>4</sub>/S<sub>200</sub> – C5**.

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

\* The self-closing classifications C1 – C5 cover doorsets with a maximum active door leaf weight of 100 kg and passive door leaf weight of 100 kg and fitted with the following hardware: hinges Abloy N3248-110 TMKSS, lock+ striking plate ASSA 565 + ASSA 2865-1 or ASSA 565 + ASSA LP712, door closer Dorma TS 93 B EN 2-5 + co-ordinator Dorma G-SR, automatic flush bolt Olda 31 HZ-C.



## 2. Product specification and field of application

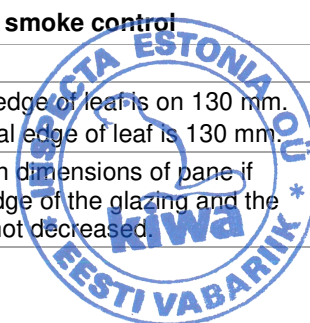
Detail	max W, mm	max H, mm	max A, m <sup>2</sup>
Active leaf	1408	2581	3,30
Passive leaf	1274	2581	2,98
Thickness of the door leaf	62 mm		
Frame profile	42 / 30 mm x 92 mm		
Threshold profile	25 / 15 mm x 92 mm or 20 / 10 mm x 92 mm		

Field of application for fire resistance	Field of application for smoke control
The mode of operation of leaves 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 %. For doorsets with multiple leaves, each door leaf shall be increased by the same amount.	
The door may be produced with grooves (up to 19/9 mm x 0,9/1,8 mm). Allowed distance between groove and edge of leaf $\geq 125$ mm, allowed distance between edges of parallel grooves $\geq 200$ mm.	
Decorative laminates and timber veneers up to 2 mm thickness may be added to the faces (but not the edges) of leaves in doorsets which satisfy the insulation criteria. <i>* If self closing is declared up to 1,5 mm layer may be added.</i>	
Decorative laminates and timber veneers up to 0,8 mm thickness may be added to the edges if the maximum allowed dimensions of the doorleaf are not exceeded. <i>* If self closing is declared not allowed to add.</i>	
The door leaf and the door frame may be painted.	
The cross-sectional dimensions of the timber frames (including rebates) shall not be reduced but may be increased.	
Doorset may be installed only with wooden threshold or with wooden threshold and automatic drop seal Schall-Ex Duo L-15 provided the rebate of leaf and threshold is maintained.	In case of Sa3 the doorset may be installed only with automatic drop seal Schall-Ex Duo L-15, with automatic drop seal Schall-Ex Duo L-15 and wooden threshold, only with wooden threshold or without threshold.  In case of Sa4 and S <sub>200</sub> the doorset may be installed only with wooden threshold, with wooden threshold and automatic drop seal Schall-Ex Duo L-15 or only with wooden threshold.

Glass panes	max W, mm	max H, mm	max A, m <sup>2</sup>
Pyrostop 30-10, thickness 15 mm	951	2271	1,95
*Toughened glass, thickness 10 mm			

\* Glass with limited field of application: not allowed if fire resistance is declared.

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 on 130 mm. The minimum permitted distance between the edge of glazing and the horizontal edge of leaf is 130 mm.	
-	There is no restrictions in dimensions of pane if distance between the edge of the glazing and the edge of the doorleaf is not decreased.



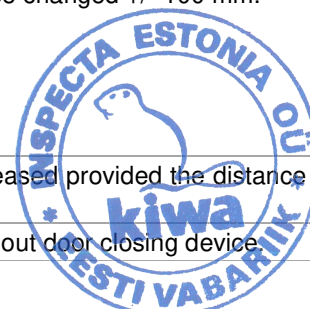
Sealing of the door leaf and frame	
Intumescent sealing (10 x 4,0) mm	2 stripes on top and on vertical frame members and between leaves; 1 stripe on bottom edge of doorleaves.
Silicone sealing (18 x10) mm	1 stripe on top, bottom and on hinges side edge of doorleaves, 2 stripes on meeting edge of inactive door leaf.

Hardware	
Lock + Striking plate	Abloy 4290 + Abloy 4690; Abloy 4190 + Abloy 4690; ASSA 565 +ASSA 2865-1; ASSA 565 + ASSA LP712; ASSA 310 + ASSA 1487-1; VingCard Signature 3G RFID + Abloy 5958; VingCard Essence + ASSA 5994; Eco Schulte GBS 81 + VR200
Additional lock + Striking plate	ASSA 4181 + ASSA 4690
Hinges /4 pcs per leaf. 3 pcs per leaf if self closing is not declared and the height of door leaf is up to 2150 mm./	Abloy N3248-110 TMSS; Pandoor Zn; concealed hinge TE 340 3D FR; concealed hinge TE 540 3D FR
Bolt	Olda 31 HZ-C; Fiskostar 150M *; DF 3001 (Primo 3001)
Emergency exit device	Iseo Serrature, type VAL 9472020504
Closer	Dorma TS 93 B EN 2-5
Slide channel door co-ordinator	Dorma G-SR
Door viewer	SWLAF RF30; digital door viewer art. E1500371 (Van Leuween)
Mechanical doorbell	Abloy 64A L **
Alarm contact	EA501, DC106
Lead cover	EA 281
Security door guard	Häfele 911.59.085 **
Letter plate	Primo 31 **

\* Hardware is not permitted if fire resistance is declared.

\*\* Hardware is not permitted if smoke control is declared.

Field of application for fire resistance	Field of application for smoke control
Position of lock is 1020 ± 200 mm from lower edge of doorleaf. Additional lock if it exists is positioned 400 mm from the main lock.	
Distance between the centre of the endmost hinges and edge of doorleaf is 250 mm. In case of four hinge the distance between centres of two upper hinge is 250 mm.	
In case of four hinge max allowed step is 870 mm.	In case of four hinge max allowed step is 1038 mm.
In case of three hinge max allowed step is 820 mm.	
Distance between the endmost hinges and the edge of leaf shall not be increased, but may be decreased, provided distance between the edge of leaf and the edge of endmost hinge is at least 100 mm. Position of concealed hinges may not be changed.	Position of hinges may be changed +/- 100 mm.
The number of hinges may be increased. The number of hinges may be decreased provided the distance between hinges is not increased.	
If self-closing characteristics are not required, the doorset may be installed without door closing device.	



### 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 edges and $\leq 10$ mm on bottom is sealed as follows: wool + PU fire rated foam + installation mastic.	
Sealing of installation gap is covered with soft wood architraves (12 x 35/70) mm.	-

