Approved technical description TS-ET-0352 version 01, APPENDIX Z

Certificate No: **ET-0352-24**

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: [1] **Fire, smoke and sound rated wooden door $EI_1$30/Rw43dB ITS**

Date: **27.02.2024**

1. Essential characteristics and performance

Classification according to EN 13501-2:2023: $EI_1$30 – Sa4/S_{200} – C5.

Essential characteristics	Performance										
Resistance to fire	**E**	15	20	30	45	60	90	120	180	240	360
	EI_1	15	20	30	45	60	90	120	180	240	360
	EI_2	15	20	30	45	60	90	120	180	240	360
	EW	15	20	30	45	60	90	120	180	240	360
Smoke control	**S_a**	3					4				
	S_{200}										
Resistance to fire	**C**	0	1*		2*		3*		4*		5*

* The self-closing classifications C1-C5 cover only single leaf doors with a maximum door leaf weight of 82 kg and fitted with the following hardware: hinges TE 340 3D FR or TE 540 3D FR, lock + striking plate Abloy Ving Card Signature 3G RFID + Abloy 5958 or ASSA 565 + ASSA 2865-1, closer Dorma ITS96 EN2-4 + slide channel G96N20.

2. Product specification and field of application

Detail	max L, mm	max K, mm	max S, m²
Door leaf	1178	2466	2,64

Thickness of the door leaf	67 mm
Frame profile	54/42/30 x 92(74/50) mm
Threshold	20/10 x 92 mm + automatic drop seal Schall-Ex Duo L-15

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 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 ≥153,5 mm, allowed distance between edges of parallel grooves ≥113 mm.	
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 and/or smoke control criteria.	
Edge band with a thickness of 2 x 0,6 mm on the edges of doorleaf if needed.	
The cross-sectional dimensions of the timber frames (including rebates) shall not be reduced but may be increased.	
The door leaf and the door frame may be painted.	

[1] Sound insulation value referred in the product name has been determined for solid door.

Inspecta Estonia OÜ
Mäealuse tn 2/4, 12618 Tallinn, Eesti
Tel +372 659 9470
estonia@kiwa.com

Glass panes	max W, mm	max H, mm	max A, m²
Pyrostop 30-10, thickness 15 mm	201	2082	0,38

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.	
-	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 (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

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; ASSA 565 + ASSA LP712; Ving Card Signature 3G RFID + Abloy 5958; VingCard Essence + ASSA 5994; multi-point lock GU-SECURY Sec 2110 65/72/24x3/1750 +B9000-0873	
Hinges /3-4 pcs per leaf/	Concealed hinges TE 340 3D FR; Concealed hinges TE 540 3D FR; Abloy N 3248-110 TMKSS	
Closer	Concealed closer Dorma ITS96 EN2-4 + slide channel G96N20; Dorma TS 93 B EN 2-5	
	-	Abloy DC335
Lead cover	EA 281	
Alarm contact	EA 501	
Door viewer	SWLAF RF30; E1500371	
Door chain	Häfele 911.59.085	

Field of application for fire resistance	Field of application for smoke control
The number of hinges may be increased but shall not be decreased.	
In case of concealed hinges 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, distance between the centre of middle hinge and upper hinge is 350 mm. In case of Abloy hinges 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, distance between the centre of middle hinge and upper hinge is 250 mm, fourth hinge if it exists is in the middle of leaf. In case of Abloy hinges the minimum distance between the edge of leaf and the edge of endmost hinge may be 100 mm.	
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
Doorset may be mounted in standard high density rigid, in standard low density rigid, in standard flexible supporting construction and in modular partition wall.	
Installation gap ≤ 20 mm on vertical edge shall be sealed with stone wool, fire rated foam and installation mastic and must be covered with wood architraves.	