

**Certificate No:** ET-0314-21

**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 EI<sub>1</sub>60/Rw37dB

**Date:** 15.06.2022; rev 01, 16.06.2022

## 1. Essential characteristics and performance

Classification according to EN 13501-2:2016: EI<sub>1</sub>30 - Sa/S<sub>200</sub> - C5

Essential characteristics	Performance								
	E15	E20	E30	E45	E60	E90	E120	E180	E240
Resistance to fire	EI <sub>1</sub> 15	EI <sub>1</sub> 20	EI <sub>1</sub> 30	EI <sub>1</sub> 45	EI <sub>1</sub> 60	EI <sub>1</sub> 90	EI <sub>1</sub> 120	EI <sub>1</sub> 180	EI <sub>1</sub> 240
	EI <sub>2</sub> 15	EI <sub>2</sub> 20	EI <sub>2</sub> 30	EI <sub>2</sub> 45	EI <sub>2</sub> 60	EI <sub>2</sub> 90	EI <sub>2</sub> 120	EI <sub>2</sub> 180	EI <sub>2</sub> 240
	-	EW20	EW30	-	EW60	EW90	EW120	-	-
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 doors with a maximum door leaf weight of 77,8 kg and fitted with the following hardware: hinges Abloy N3248-110, lock+ striking plate ASSA 310 + ASSA 1487-1, door closer Dorma TS 93.

## 2. Product specification and field of application

Detail	max W, mm	max H, mm	max A, m <sup>2</sup>
Door leaf	954	2045	1,95
Thickness of the door leaf	66 mm		
Frame profile	(45/30 x 92) mm		
Threshold profile	(23/10 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 2 mm thickness may be added to the faces (but not the edges) of leaves in doorsets which satisfy the insulation criteria.	
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. Also edge band with a thickness up to 2 x 0,6 mm may be added.	
Doorset may be produced only without glazing.	
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.	

Sealing of the door leaf and frame	
Intumescent sealing (10 x 3) mm	On the perimeter of frame and on vertical and bottom edge of leaf.
Intumescent sealing (20 x 3) mm	On top edge of leaf.
Silicone sealing	On the perimeter of leaf.

Hardware	
Lock	ASSA 310
Striking plate	ASSA 1487-1
Hinges /3 per leaf /	Abloy N3248-110 TMSS
Safety pin /2 per leaf /	(8 x 50) mm
Closer	Dorma TS 93
Door viewer	SWLAF RF60

Field of application for fire resistance	Field of application for smoke control
Position of lock is 1025 ±200 mm from lower edge of doorleaf.	
Distance between endmost hinges and the edge of doorleaf is 100 – 250 mm.	Distance between endmost hinges and the edge of doorleaf is 150 – 350 mm.
Distance between the centres of upper and intermediate hinge is 250 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 ≤ 22 mm on top and vertical edges, ≤ 15 mm on bottom	Installation gap ≤ 20 mm on top and vertical edges, ≤ 10 mm on bottom
Installation gap 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.	Sealing of the installation gap may be covered with soft wood architraves (12 x 70) mm.