

**Certificate No:** ET-0246-19

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**Name and address of the producer:** AS Viljandi Aken ja Uks, Puidu tn 6, 71020 Viljandi linn, Viljandi maakond, ESTONIA (Projektuksetehas Pärnu mnt 20, 71012 Viljandi linn, Viljandi maakond, ESTONIA)

**Product:** Fire resistant door "EI30". Sound insulation and fire resistant door "EI30".

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## 1. Essential characteristics and performance

Classification according to EN 13501-2:2016: EI<sub>2</sub>30

Essential characteristics	Performance								
	E15	E20	E30	E45	E60	E90	E120	E180	E240
Resistance to fire	E <sub>h</sub> 15	E <sub>h</sub> 20	E <sub>h</sub> 30	E <sub>h</sub> 45	E <sub>h</sub> 60	E <sub>h</sub> 90	E <sub>h</sub> 120	E <sub>h</sub> 180	E <sub>h</sub> 240
	E <sub>l</sub> 15	E <sub>l</sub> 20	E <sub>l</sub> 30	E <sub>l</sub> 45	E <sub>l</sub> 60	E <sub>l</sub> 90	E <sub>l</sub> 120	E <sub>l</sub> 180	E <sub>l</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			

## 2. Product specification and field of application

Detail	max W, mm	max H, mm	max A, m <sup>2</sup>
Leaf of single leaf doorset	1125	2145	2,41
Leaf of double leaf doorset	1025	2152	2,20
Thickness of the door leaf	40 mm		
Frame profile	(42/30 x 68) mm		
Wooden threshold profile if exists	(20/10 x 68) mm or (22/14 x 68) mm		

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 %.

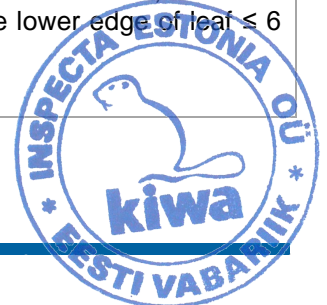
Decorative laminates and timber veneers up to 1,5 mm thickness may be added to the faces (but not the edges) of leaves.

On the edges of leaf 0,3 mm melamine edge band, 2,0 mm ABS plastic edge band or crepe framing element can be used on vertical edge.

The cross-sectional dimensions of the timber frames (including rebates) shall not be reduced but may be increased.

Doorset may be installed with wooden threshold, with drop seal Planet FT and RST threshold, with RST threshold only or in case of non-combustible flooring without threshold (gap at the lower edge of leaf ≤ 6 mm).

Sound insulation door may be installed only with wooden threshold.



Sealing of the door leaf and frame	
Intumescent sealing (15 x 2,0) mm	On vertical frame members and on top frame member 1 strip, on lock edge of passive leaf of double leaf doorset 2 strips.
Silicone sealing Ø 8 mm if needed	On vertical frame members, on top frame member and on threshold if it exists, on double leaf doorset under astragal.

The use of silicone sealing is mandatory only for sound insulation door.

Hardware	
Lock + Striking plate	ASSA 565 + ASSA 2864-2; Abloy 2014 + Abloy 0033; ASSA 410-50 + ASSA 1487-2
Hinges /3 pcs per leaf/	concealed hinge Otlav IN300120; concealed hinge Otlav IN230120; ASSA 3248-01 FOP; Abloy 3248-110 TMKSS
Closer	Dorma TS 73V
Flush bolt /2 pcs on passive leaf/	automatic flush bolt Olda 33 HZA-R32F; manual flush bolt Olda 33 HZM-R32
Door viewer	Amig 180
Lead cover	Abloy EA281

Distance between the centre of the upper hinge and edge of door leaf is 100-250 mm. Distance between the centre of the lower hinge and edge of door leaf is 100-262 mm. Max step 1395 mm.

The height of lock is 1025 ± 200 mm from the lower edge of leaf.

If self-closing characteristics are not required, the doorset may be installed without door closing device.

### 3. General field of application

Doorset may be mounted in standard high density rigid, in standard low density rigid and in standard flexible supporting construction.

Allowed installation gap ≤ 25 mm in case of single leaf door and ≤ 20 mm in case of double leaf door may be sealed with mineral wool, with fire rated PU foam or using combined sealing with wool and foam.

The door leaf and the door frame may be painted.

