

Certificate No: 1336-CPR-0196

Name and address of the sponsor: Viljandi Aken ja Uks AS, Puidu tn 6, 71020 Viljandi linn, Viljandi maakond, ESTONIA.

Name and address of the producer: Viljandi Aken ja Uks AS, Pärnu mnt 20, 71020 Viljandi linn, Viljandi maakond, ESTONIA.

Product: Fire resistant single leaf wooden door FD14

Date: 16.01.2020

1. Essential characteristics and performance

Door may be classified as **EI₁₄₅-C0/EI₁₃₀-C0**.

Essential characteristics	Performance									
	E15	E20	E30	E45	E60	E90	E120	E180	E240	
Resistance to fire	EI ₁₅	EI ₂₀	EI ₃₀	EI ₄₅	EI ₆₀	EI ₉₀	EI ₁₂₀	EI ₁₈₀	EI ₂₄₀	
	EI ₂₁₅	EI ₂₂₀	EI ₂₃₀	EI ₂₄₅	EI ₂₆₀	EI ₂₉₀	EI ₂₁₂₀	EI ₂₁₈₀	EI ₂₂₄₀	
	-	EW20	EW30	-	EW60	EW90	EW120	-	-	
Smoke control	S _a					S ₂₀₀				
Self closing	C0	C1	C2	C3	C4	C5				

2. Product specification and field of application

Detail	max L, mm	max K, mm	max S, m ²
Door leaf of single leaf door EI30	1060	2461	2,4
Thickness of door leaf	62 mm		
Frame profile	30/42 mm x 92 mm		

The materials and construction of the doorset shall be the same as that tested. The number of leaves and the mode of operation (e.g. sliding, swinging, single action or double action) shall not be changed.

Size reduction is permitted.

The thickness of the door leaf or leaves shall not be reduced but may be increased.

The door leaf thickness and/or density may be increased provided the total increase in weight is not greater than 25 %.

For timber based board products (e.g. particle board, block board, etc.), the composition (e.g. type of resin) shall not change from that tested. The density shall not be reduced but may be increased.

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

Sealing of the door leaf and frame

Intumescent sealing (2,0 x 15) mm	On the perimeter of the door leaf
Sealing strip	On the perimeter of the door leaf

Hardware	
Lock	Assa Abloy 565 Assa 2000+4292
Striking plate	Assa Abloy 1887-2
Additional lock	Abloy 4181
Hinges /3 per leaf/	Assa Abloy 110 x 36 KSS, Abloy 3248-110 <i>/ upper and lower hinges are positioned 250 mm from the edge, step max 820 mm/</i>
Closer	Abloy DC335
Doorbell	Abloy 64 A
Door viewer	Y180 41-73 mm
Lead cover + cable tube	Abloy EA 281

1037 ± 300 mm variation in lock height is allowed.

The number of hinges may be increased. The number of hinges may be decreased providing the placement of hinges (distance from edge, step) does not change.

3. General field of application

The door leaf and the door frame may be painted.

The doorleaf may be produced with grooves, if the depth of the groove is $\leq 2,5$ mm and cross-section area of the groove is ≤ 50 mm². The minimum distance between edges of parallel grooves is 112 mm. The total area of the grooves may be up to 13% of the area of leaf.

The size increase is not permitted for doorset EI₁₄₅ (E45, EI₂₄₅).

Decorative laminates and timber veneers up to 1,5 mm thickness may be added to the faces (but not the edges) of leaves and frames in doorsets which satisfy the insulation criteria.

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

The installation gap ≤ 25 mm may be sealed with mineral wool, with fire rated PU foam or using combined sealing with wool and foam.

