

Based on Estonian Regulation No. 49 of the Minister of Economic Affairs and Communications of 26.07.2013 „ Requirements and procedure for attestation of the conformity for building materials and construction products“ § 4, it has been stated that the construction product

## **Fire and sound rated wooden door EI30/Rw44dB**

placed on the market by

### **Viljandi Aken ja Uks AS**

Puidu 6, 71020 Viljandi, ESTONIA

and produced in the factory

### **Viljandi Aken ja Uks AS**

Puidu 6, 71020 Viljandi, ESTONIA

is submitted by the manufacturer to a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan and that Inspecta Estonia OÜ has performed type testing, the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

This certificate attests that all provisions concerning the attestation of conformity and the performances described in Annex ZA of the standard

## **EN 16034:2014**

were applied and that the product fulfils all the prescribed requirements.

This certificate is first issued on **18.05.2013** and remains valid until **17.05.2018** as long as the conditions laid down in the standard in reference or the manufacturing conditions in the factory or the FPC itself are not modified significantly. The validity of the certificate can be checked on the Internet at [www.inspecta.com/et](http://www.inspecta.com/et). Classification and field of direct application is presented in the TS-ET-0092 Annex Z.

Tallinn 30.08.2016

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**Certificate No:** ET-0092-13

**Name and address of the sponsor:** Viljandi Aken ja Uks AS, Puidu 6, Viljandi 71020, ESTONIA

**Name and address of the producer:** Viljandi Aken ja Uks AS, Puidu 6, Viljandi 71020, ESTONIA

**Product:** Fire and sound rated wooden door EI30/Rw44dB

**Date:** 30.08.2016

## 1. Essential characteristics and performance

The product may be classified as EI130 – Sa/S200.

Essential characteristics	Performance								
	E15	E20	E30	E45	E60	E90	E120	E180	E240
Resistance to fire	EI <sub>15</sub>	EI <sub>20</sub>	EI <sub>30</sub>	EI <sub>45</sub>	EI <sub>60</sub>	EI <sub>90</sub>	EI <sub>120</sub>	EI <sub>180</sub>	EI <sub>240</sub>
	EI <sub>215</sub>	EI <sub>220</sub>	EI <sub>230</sub>	EI <sub>245</sub>	EI <sub>260</sub>	EI <sub>290</sub>	EI <sub>2120</sub>	EI <sub>2180</sub>	EI <sub>2240</sub>
	-	EW20	EW30	-	EW60	-	-	-	-
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 L, mm	max K, mm	max S, m <sup>2</sup>
Door leaf if fire resistance EI <sub>130</sub> is declared	945	2054	1,94
Door leaf if smoke control S <sub>200</sub> is declared	1512	3286	3,49
Door leaf if smoke control S <sub>a</sub> is declared	1086	2362	2,33
Thickness of the door leaf	63 mm		
Frame profile	30/42 x 92mm		
Treshold profile	15/27 x 92mm		

Kasutusulatus tulepüsiivuse puhul	Kasutusulatus suitsupidavuse puhul
The number of leaves and the mode of operation shall not be changed.	
Size reduction of the door leaf is permitted.	
The thickness of the door leaf or leaves shall not be reduced but may be increased.	
The materials and construction of the doorset shall be the same as that tested.	The door leaf shall be constructed from similar materials (e.g flaxboard, softwood) and stiffness equal or greater than that tested. Equal or increased stiffness may be assumed for S <sub>a</sub> if a) the leaf is thicker than those tested; b) the facings to the leaf are thicker than those tested; c) the size and density of any framing member enclosing the leaf core is not reduced; d) the glues and joining procedures are not changed. For S <sub>200</sub> no variations allowed
The door leaf thickness and/or density may be increased provided the total increase in weight is not greater than 25 %.	
For timber based products (e.g particle board, blockboard, 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.	-
It is possible to change species of framing elements of leaf or panel for other timber of the same or higher density timber.	
Wooden treshold may be replaced by active drop seal Planet FT.	Wooden treshold may be replaced by active drop seal Planet FT. Treshold gaps may be varied within the movement range specified by the seal manufacturer.

Sealing of the door leaf and frame	
Intumescent sealing	On the frame and on the treshold.
Rubber sealing	On the frame and on the treshold. On the perimeter of door leaf.

Hardware	
Lock + striking plate	ASSA 8765SYM + ASSA 353355 /positioned 1027mm from the lower edge of door leaf/ ASSA 565 + ASSA 1887-1; Vingcard Signature + Abloy 5995; Vingcard Classic + EP SECELAS S +EFT-C-RACR9
Additional lock	Abloy 4181
Hinges /3 pcs per fire door leaf/ /4pcs per smoke door leaf /	ASSA Abloy NTR 110-30 TSS / Upper and lower hinges are positioned 250mm from lower edge, the middle hing is in the middle of door leaf/ / Upper and lower hinges are positioned 257mm from lower edge, the 2 middle hinges are positioned 250mm from outermost hinges/.
Closure	Abloy DC335 + DC199
The number of hinges may be increased but shall not be decreased.	
If self-closing characteristics are not required the doorset may be installed without door closing device.	
1027 ± 200mm variation from lower edge of doorleaf is allowed.	For S <sub>a</sub> possible to change position of hardware. For S <sub>200</sub> not possible.

### 3. General field of application

The door leaf and the door frame may be painted.
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 and/or smoke control criteria.
Doorset may be mounted in rigid and in flexible supporting construction.
The number of fixings per unit length used to attach doorset to supporting construction may be increased, but shall not be decreased and distance between fixings may be reduced but shall not be increased.

