

Based on Estonian Regulation No. 123 of the Minister of Economic Affairs and Communications of 04.05.2004 „Procedure for attestation of the conformity of a building material and a construction product and the conformity assessment procedures required for attestation of the conformity of different categories of construction products“ §14<sup>1</sup>, it has been stated that the construction product

## **Fire resistant wooden aluminium window MSE-AL EI30/E45**

placed on the market by

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

Address: Puidu 6, 71020 Viljandi EESTI

and produced in the factory

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

Address: Puidu 6, 71020 Viljandi EESTI

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 initial 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

### **prEN 16034:2009**

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

This certificate is issued on 15.10.2012 and remains valid until 14.10.2017 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.ee](http://www.inspecta.ee). Classification and field of direct application is presented in the Annex 1.

Tallinn 15.10.2012

  
Urmas Vain  
tegevdirektor



**Inspecta Estonia OÜ**  
Mustamäe tee 5  
10616 Tallinn  
Estonia  
Tel. +372 6599470  
Fax +372 6599479



Akrediteeritud PC005

**Product:** Fire resistant wooden aluminium window MSE-AL EI30/E45.

Details of the window description is presented in test report No VTT-S-04649-12

## Product specification

<b>Dimensions</b>	<b>Material, (W x H)mm</b>
Window frame	Pine, 1160 x 1790 x 170
Outer casement	Pine, 1070 x 1700 x 28
Inner casement	Pine, 1111 x 1741 x 64
Glazing bead	Birch, 23 x 32
Glazing	In outer casement – 4mm float glass; In inner casement – glazing unit : Fireswiss foam 30-19/10mm RST profile/4mm glass; thickness is 33mm
<b>Hardware</b>	
Lock + striker	Fiskostar 202 + Fiskostar VR068, 6pcs
Hinges	Otlav M8/12x35(Zn), 6pcs

## Fire resistant class of product

Fire resistant wooden aluminium window is classified according to EN 13501-2:2007+A1:2009 as follows:

**EI<sub>1</sub> 30 / E 45**

## Field of application

This classification is valid for the following end use applications:

1. The thickness of the window frame shall not be reduced but may be increased.
2. The window frame thickness and/or density may be increased provided the total increase in weight is not greater than 25%.
3. For timber based board products (e.g. laminated wood), the composition (e.g. type of resin) shall not change from that tested.
4. The cross-sectional dimensions and/or the density of the timber frames (including rebates) shall not be reduced but may be increased.
5. Where the paint finish used in test is not expected to contribute to the fire resistance of the window frame alternative paints is acceptable.
6. The type of glass and the edge fixing technique, including type and number of fixings per metre of perimeter, shall not be changed from those tested.
7. The distance between the edge of glazing and the perimeter of window frame, or the distance between glazed apertures shall not be reduced from those incorporated in test specimens.
8. The number of fixings used to attach window to supporting constructions may be increased but shall not be decreased and the distance between fixings may be reduced but shall not be increased.
9. The number of any movement restrictors such as locks, latches and hinges may be increased but shall not be decreased.

**Inspecta Estonia OÜ**  
Mustamäe tee 5  
10616 Tallinn, Estonia  
Tel. +372 659 9470  
Fax +372 659 9479



**Group headquarters:** Inspecta Group Oy, Helsinki, Finland

**TRUST & QUALITY** [www.inspecta.com](http://www.inspecta.com)

10. Size reduction is permitted.
11. Size increase is permitted up to 15% in height and 15% in width, but not more than 20% in area. Size increase is not permitted for door with fire resistance class E45.
12. The window can be mounted in a rigid and in a flexible construction.

## **Marking**

Product must be marked. Marking consisting of

- fire resistance class;
- number of certificate;
- name of the Certification Body;
- name of manufacturer;
- year of manufacturing;
- product identification number.



Inspecta Estonia OÜ  
Mustamäe tee 5  
10616 Tallinn, Estonia  
Tel. +372 659 9470  
Fax +372 659 9479