

# C E R T I F I C A T



We hereby certify that

**AS Viljandi Aken ja Uks**

Place of manufacture: Viljandi, Estonia

holds certification licence for -marking of

complies with the requirements specified in

**EN 13501-2:2007+A1:2009**

The scope and conditions of the product certification are specified  
in the valid edition of the certification licence

Oslo, 2013-09-06

First time issued: 20.05.2011  
Licence no: 1140

A handwritten signature in blue ink, reading 'Ole Morten Weng'.

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Ole Morten Weng  
Nemko AS

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**Enclosure no. 4 to certification licence no. 1140 with date of issue 2011-05-20 for NS-marking of doors. Classification of resistance to fire. (Edition 1)**

**Product name:** FD14

**Type of product:** Wooden door, external fire resistant and sound insulation door

**Classification:** EI230

**Product description:** Single leaf wooden door with size of frame: w x h = 990 x 2090 mm. Door leaf, size: w x h x t = 925 x 2040 x 63 mm constructed of a frame of softwood 53,8 x 44 mm, density 400-450 kg/ m<sup>3</sup>, filled with rock wool 28 mm, density 150 kg/ m<sup>3</sup>, two layers of chipboard 6 mm, density ca. 650 kg/ m<sup>3</sup>, covered with a 0,4 mm aluminium sheet and 4 mm HDF, density 970 kg/ m<sup>3</sup>. Sheet material is glued with melamine formaldehyde glue.

Door frame 42/30 x 104 mm of softwood, density 400-450 kg/ m<sup>3</sup>. Intumecent seal, Palusol, in all sides of the door leaf. Threshold of hardwood, density ca. 650 kg/ m<sup>3</sup>. Sealing strip Ø 10 mm, OT-Kuimi OY, in the door frame. TPE gasket, Deventer 1212 at the touch door leaf - frame/threshold. 3 hinges 110-36 KSS, Abloy. Lock type 565, Abloy. Striking plate 1887-2, Abloy.

The doors are produced according to the drawings "Fire resistant door FD14", no. 1, 2 and 3, all of 2011-04-08.

See also item 4.3 "Field of application" in the classification report PX08581-8 of 2011-05-09.

Mounting instruction: "Monteringsanvisning brann- og lyddør, nr. 3 / 2010-10-21"

**Test certificate:** Test report PX08581-3 of 2011-04-12 and classification report PX08581-8 of 2011-05-09, both from SP Technical Research Institute of Sweden.

**Validity:** Up to 2016-05-31. (Ref. item 3 in SBC NO 021E).

**Marking:** The product shall be marked with NS-marking, classification, license number of certification (licensees identity number) and production number or time of production.

**Remark:** Validity and extent of the licence will at any time appear from the product list which is available at Nemko's homepage [www.nemko.com](http://www.nemko.com)

In case of doubt the phrasing in the Norwegian edition of the enclosure is the valid one.

The enclosure consists of 1 page.



**Nemko AS**

# S E R T I F I K A T



Det bekreftes herved at

**AS Viljandi Aken ja Uks**  
Produksjonssted: Viljandi, Estonia

innehar sertifiseringslisens for **NS**-merking av

**Lydisolerende dører**

i overensstemmelse med kravene i

**NS 3150:1990**

Produktsertifiseringens omfang og vilkår fremgår av gyldig sertifiseringslisens

Oslo, 2013-09-06

Første gang utstedt: 09.12.2003  
Lisens nr: 1051

A blue ink signature of Ole Morten Weng.

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Ole Morten Weng  
Nemko AS

**Enclosure no. 3 to certification licence no. 1051 of 2003-12-09 for NS-marking of doors.  
Classification of sound insulation (Edition 2)**

**Name of product:** FD14

**Type of product:** Single leaf wooden door

**Classification:** 30 dB

**Description:** Single leaf wooden door with maximum size of frame: w x h = 990 x 2090 mm. Door leaf, w x h x t = 925 x 2040 x 63 mm constructed of a frame 53,8 x 44 mm of softwood, pinewood density 400-450 kg/m<sup>3</sup>. The door leaf was insulated with Rock wool 28 mm with density ca. 560 kg/m<sup>3</sup> and softwood 28 x 36 mm, density 400-450 kg/m<sup>3</sup>. On both sides of the core: 2 x 6 mm chipboard, density ca. 650 kg/m<sup>3</sup>. Aluminium sheet 0,4 and then 4 mm HDF, density ca. 970 kg/m<sup>3</sup>. Glue between the layers.  
Door frame 42/30 x 104 mm of pinewood, density ca. 400-500 kg/m<sup>3</sup>.  
With intumecent seal "Palusol" 3,5 x 15 in all sides of the door frame.  
Threshold of hardwood, density ca. 650 kg/m<sup>3</sup>. 3 hinges 110 x 36 type KSS, Abloy.  
Locks type ASSA Abloy 565, and striking plate type ASSA Abloy 1887-2.  
The doors are produced according to the drawings "Fire resistant and sound insulation door FD14" no. 1, 2 and 3, all of 2011-04-08.

To be mounted according to installation instruction issue 3 of 18.11.2011.

**Test reports:** Report PX06635-E of 2010-11-30 from SP Technical Research Institute of Sweden.

**Marking:** The product shall be marked with NS-marking, classification, licence number of certification (licensees identity number) and production number or time of production.

**Remark:** Validity and extent of the licence will at any time appear from the productlist which is available at Nemko's homepage [www.nemko.com](http://www.nemko.com)

The enclosure consists of 1 page.



Nemko AS

# NDVK

NORWEGIAN DOOR-AND  
WINDOW-CONTROL

CERTIFIED

# Certificate

It's confirm that

**Viljandi Aken ja Uks AS, Estonia**

Fulfil the requirements according to

**NORWEGIAN DOOR- AND WINDOW CONTROL**

## ***NDVK-Rules***

The certificate include all production of windows and doors,  
and include the following products:

### **Door types:**

- VU 65, outward opening timberdoor, with or without glazing.
- VU T1, outward opening timberdoor, with or without glazing.
- FD 14, one sided hinged timber leaf in timber frame, external door.

Oslo date: 12.11.2013



NDVK chairman

Valid thru:

**31.12.2014**

Certificate NO.: 061



Quality management in the production of windows and door fulfils the requirement to **NDVK Rules:**

**Requirements for doors and windows  
and  
Rules for certificate and kontrollbesøk .**

The product at page 1 fulfil the requirement according to:

Characteristic	Classification/value										NDVK req.
<b>Air permeability</b>											4
Class	1		2		3			4			
Max. test pressure (Pa)	150		300		600			600			
<b>Watertightness</b>											7A or 7B**
Class - Non-shielded (A)	1 A	2 A	3 A	4 A	5 A	6 A	7 A	8 A	9 A	E	
Test pressure (Pa)	(0)	(50)	(100)	(150)	(200)	(250)	(300)	(450)	(600)	(>600)	
Class - Shielded (B)	1 B	2 B	3 B	4 B	5 B	6 B	7 B				
Test pressure (Pa)	(0)	(50)	(100)	(150)	(200)	(250)	(300)				

\* Requirement for windows and balcony-doors

\*\* ) Requirement for Pedestrian doors