




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 that reads "Ole Morten Weng".

Ole Morten Weng
Nemko AS

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/ m³, filled with rock wool 28 mm, density 150 kg/ m³, two layers of chipboard 6 mm, density ca. 650 kg/ m³, covered with a 0,4 mm aluminium sheet and 4 mm HDF, density 970 kg/ m³. Sheet material is glued with melamine formaldehyde glue.
Door frame 42/30 x 104 mm of softwood, density 400-450 kg/ m³. Intumecent seal, Palusol, in all sides of the door leaf. Threshold of hardwood, density ca. 650 kg/ m³. 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 (licencees 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

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

The enclosure consists of 1 page.



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 handwritten signature in blue ink, reading "Ole Morten Weng".

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/m³. The door leaf was insulated with Rock wool 28 mm with density ca. 560 kg/m³ and softwood 28 x 36 mm, density 400-450 kg/m³. On both sides of the core: 2 x 6 mm chipboard, density ca. 650 kg/m³. Aluminium sheet 0,4 and then 4 mm HDF, density ca. 970 kg/m³. Glue between the layers.
Door frame 42/30 x 104 mm of pinewood, density ca. 400-500 kg/m³.
With intumecent seal "Palusol" 3,5 x 15 in all sides of the door frame.
Threshold of hardwood, density ca. 650 kg/m³. 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

The enclosure consists of 1 page.



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

NDVK

NORWEGIAN DOOR-AND
WINDOW-CONTROL

CERTIFIED

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.
Air permeability	1		2			3		4			4
Class	1		2			3		4			
Max. test pressure (Pa)	150		300			600		600			
Watertightness	1 A	2 A	3 A	4 A	5 A	6 A	7 A	8 A	9 A	E	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