

**Enclosure no. 2 to certification licence no. 1145 with date of issue 2011-12-27 for NS-marking of Doors. Classification of resistance to fire (Edition 2)**

**Product name:** Fire door EI30/Rw40dB Interior 1A

**Type of product:** Wooden door with glazed opening. Classification of resistance to fire

**Classification:** EI30

**Product description:** Single door leaf wooden door with glazed opening. The thickness of the door is about 62,5 mm. The door leaves are constructed of softwood stiles covered with MDF boards (6 mm) on both sides. The MDF boards are glued to the stiles with PVAc adhesive (110 g/m<sup>2</sup>). Door leaves are equipped with fire rated glazing Contraflame EI30 16 mm (Vetrotech SG International AG). The glazing is mounted into 665 x 1710 mm openings and sealed with 8 x 3 mm EPDM tape, Soudal Firecryl and acetic glazing silicon. Door frames are constructed of softwood. "Schedule of Components EI30Rw40dB Interior 1A" dated 26.01.2012.

Outer dimensions: w x h = 990 x 2090 mm

Door leaf, dimensions: w x h = 925 x 2040 mm

Constructed according to drawings called "Fire- and Sound Rated Door EI30 1A M10x21" 1-22 of 07.11.2011 and 01.06.2010 (drawings 16-19).

**Field of application** according to item 4.3 in the classification report VTT-S-06460-11 of 15 September 2011.

Mounting instruction in Norwegian, 4 pages, "Montasjeanvisning for brann- og lydsikker tredør EI30/Rw40dB" dated 01.11.2011 versjon 1.

**Test certificate:** Test report VTT-S-01303-11, April 14 2011. Classification report VTT-S-06460-11 of 15 September 2011. Both from VTT Expert Services Ltd, Finland.

**Validity:** Valid no longer than 2019-12-31 as long as it is in consistence with European Regulations.

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

**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)

The enclosure consists of 1 page.



**Enclosure no. 3 to certification licence no. 1145 with date of issue 2011-12-27 for NS-marking of Doors. Classification of resistance to fire (Edition 2)**

**Product name:** Fire door EI30/Rw40dB Interior 1PS

**Type of product:** Wooden door with or without glazed opening. Classification of resistance to fire

**Classification:** EI130

**Product description:** Single door leaf wooden door with or without glazed opening. The thickness of the door is about 62,5 mm. The door leaves are constructed of softwood stiles covered with MDF boards (6 mm) on both sides. Door leaves are insulated symmetrically with stone wool slabs (PAROC ROB 80t, nominal thickness 18,5 mm, nominal density 200 kg/m<sup>3</sup>) and gypsum board (Gyproc GN 13, nominal thickness 13 mm, density 800 kg/m<sup>3</sup>). The stone wool slabs are glued to MDF boards with PVAc-glue (110 g/m<sup>2</sup>). When glazed opening, the type of glazing is Pyrobel 16/EI30. Door frames are constructed of softwood.  
"Schedule of Components EI30Rw40dB Interior 1PS" dated 26.01.2012.

Outer dimensions: w x h = 990 x 2090 mm  
Door leaf, dimensions: w x h = 925 x 2040 mm  
Glazed opening: w x h = 134 x 1664 mm

Constructed according to drawings called "Fire- and Sound Rated Door EI30/Rw40dB M10x21" 1-24 of 17.10.2011.

**Field of application** according to item 4.3 in the classification report VTT-S-06458-11 of 15 September 2011.

Mounting instruction in Norwegian, 4 pages, "Montasjeanvisning for brann- og lysesikker tredør EI30/Rw40dB" dated 01.11.2011 versjon 1.

**Test certificate:** Test report VTT-S-7537-10 of November 22 2010. Classification report VTT-S-06458-11 of 15 September 2011. Both from VTT Expert Services Ltd, Finland.

**Validity:** Valid no longer than 2019-12-31 as long as it is in consistence with European Regulations.

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

**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)

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**Enclosure no. 4 to certification licence no. 1145 with date of issue 2011-12-27 for NS-marking of Doors. Classification of resistance to fire (Edition 2)**

- Product name:** Fire door EI30/Rw43dB ITS
- Type of product:** Interior wooden door with glazed opening. Classification of resistance to fire
- Classification:** E 30- EI130 – EI230 / Sa/S200 / C5
- Product description:** Single door leaf wooden door with glazed opening. With or without closing device type ITS96 EN2-4. The thickness of the door is about 67 mm. The door leaves are constructed of 46 x 55 mm finger jointed and laminated softwood (pine) and insulated symmetrically with two 11 mm thick solid boards (11VL, 6,7 kg/m<sup>2</sup>). A 27 mm thick flax board (density 350 kg/m<sup>3</sup>) in the middle. 3 mm thick rubber cork boards (470 kg/ m<sup>3</sup>) between the solid and flax boards. Rubber cork and solid boards are fixed to flax board with 1,45 x 1,3 mm steel staples. Door leaf facings are 6 mm thick HDF (820 m<sup>3</sup>). The HDF boards are glued to solid boards with PVAc-glue (110 g/m<sup>2</sup>). A lipping of 23 x 55 mm American white oak. Over the lipping is an edge band made of natural American white oak veneer. Insulating glass is 15 mm Pyrostop 30-10 (Pilkington group Ltd). Door frames are constructed of softwood. Door frame is constructed of softwood (54 x 92 mm). The threshold is made of American white oak and the frame is finger jointed and laminated pine. Door hardware and closing devices according to "Schedule of components of 31.10.2016.
- |                        |                        |
|------------------------|------------------------|
| Outer dimensions:      | w x h = 1090 x 2190 mm |
| Door leaf, dimensions: | w x h = 1025 x 2145 mm |
| Glazed opening:        | w x h = 180 x 1815 mm  |
- Constructed according to drawings called "Fire- and Sound Rated Door EI30/Rw43dB ITS" 1-21 of 18.04.2016.  
"Schedule of components. Updated 6.12.2016".
- Field of application** according to item 4.3 in the classification report VTT-S-04989-16 of 15 November 18, 2016.
- Mounting instruction in Norwegian, 5 pages, "Montasjeanvisning for brann- og lysesikker tredør EI30/Rw43dB" dated 14.12.2016 versjon 1.
- Test certificate:** Test report VTT-S-03077-16 of May 12 2016. Classification report VTT-S-04989-16 of November 18, 2016. Both from VTT Expert Services Ltd, Finland. Test reports from Inspecta Estonia OÜ: No. SD-181-17-0023 of 06.02.2017 (smoke control) and No. DD-181-17-0024 of 23.02.2017 (self closing).
- Validity:** Valid no longer than 2019-12-31 as long as it is in consistence with European Regulations.
- Marking:** The product shall be marked with NS-marking, classification, license number of certification (licensee identity number) and production number or time of production. The type of glazing, type and thickness.
- 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)  
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