



Type-approval certificate
No. 13184-02



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The type approval body **Inspecta Sertifiointi Oy** has issued a type approval decision based on the Act on the Type Approval of Certain Construction Products (954/2012) to demonstrate that the product meets the requirements of the document “**Ympäristöministeriön asetus ovien tyyppihyväksynnästä 2007**” (Decree of the Ministry of the Environment on the Type Approval of Doors 2007).

The decision concerns the following product:

EI30PTL – fire tested, EI30 fire-rated, hinged hatch

EI60PTL – fire tested, EI60 fire-rated, hinged hatch

The structure and installation of the product are compliant with the conditions of this type-approval certificate.

The products are hatches for fire compartmentation or hatches that go through compartmentation structures. The technical characteristics of the product have been type tested by applying the methods of the standards EN 1363-1 and EN 1634-1. The factory’s internal production quality control system meets the requirements of the standard.

Manufacturer of the product:

Kiilax Oy

Levytie 1, 80100 JOENSUU, FINLAND

Manufacturing place of the product: Joensuu

The type-approval certificate was issued on 26 July 2022
(the original was issued on 10 February 2021).

The type-approval certificate is valid until 26 July 2025 or until the end of the transition period of the product’s CE marking at maximum.

Maija Vanttaja, Managing Director

CERTIFICATE

Inspecta Sertifiointi Oy

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Identification of the product: The product or its identification tag must include the text "Type-approval certificate" (Tyyppihyväksyntätodistus) as well as the identification number of the type approval decision, the identifier of the product's fire classification (EI₂ 30), the name of the hatch manufacturer and the year of manufacture.

The quality control certifier of the product is
Inspecta Sertifiointi Oy, Helsinki
Date of the quality control agreement: 22 October 2021.

The inspection visit and testing reports that the decision is based on:
SERRER1070, HA-187-21-0038, HA-187-21-0039, 445-13TML-60, 446-13TML-60, 378-12TML, 445-13TML30, 446-13TML-30, VTT-S-00226-13, 387-13TML, 446-13TML, E50-2018, E20-2022, E25-2022, E26-2022-1 and E26-2022-2.

The classification of the hatch with a steel structure is EI₂60 (also covers classes EW60, E60, EI₂45, E45, EW30, EI₂30, E30, EW20, EI₂20, EI₁20, E20, EI₂15, EI₁15 and E15), E60 (also covers classes E45, E30, E20 and E15), EI₂30 (also covers classes EW30, E30, EW20, EI₂20, EI₁20, E20, EI₂15, EI₁15 and E15) or E30 (also covers classes E20 and E15).

CONDITIONS OF THE TYPE-APPROVAL CERTIFICATE:

Structure of the hatch:

EI₂ 60

- The size of the hatch frame is:
 - width 191–680 mm
 - height 191–680 mm
 - area max. 0.42 m²
- Installed in an opening in a wall made out of concrete, brick or other rock material with a density of at least 550 kg/m³ and a thickness of more than 100 mm.
- The panel has 2 locks.

- The size of the hatch frame is:
 - width 191–591 mm
 - height 191–591 mm
 - area max. 0.35 m²
- Installed on a lightweight wall with a thickness of at least 116 mm.
- The panel has 2 locks.

- The size of the hatch frame is:
 - width 191–450 mm
 - height 191–450 mm
 - area max. 0.18 m²

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- The panel has 1 lock.
- Installed in an opening in a wall made out of concrete, brick or other rock material with a density of at least 550 kg/m³ and a thickness of more than 100 mm or on a lightweight wall with a thickness of at least 116 mm.

EI₂ 45:

- The size of the hatch frame is:
 - width 191–680 mm
 - height 191–680 mm
 - area max. 0.42 m²
- Installed on a lightweight wall with a thickness of at least 116 mm.
- The panel has 2 locks.

E60:

- The maximum size of the hatch frame is:
 - width 680 mm
 - height 680 mm
 - area max. 0.42 m²
- Installed on a lightweight wall with a thickness of at least 116 mm.
- Installed in an opening in a wall made out of concrete, brick or other rock material with a density of at least 550 kg/m³ and a thickness of more than 100 mm.
- The panel has 2 locks.

- The maximum size of the hatch frame is:
 - width 450 mm
 - height 450 mm
 - area max. 0.18 m²
- Installed on a lightweight wall with a thickness of at least 116 mm.
- Installed in an opening in a wall made out of concrete, brick or other rock material with a density of at least 550 kg/m³ and a thickness of more than 100 mm.
- The panel has 1 lock.

Structure of EI₂ 60, E60 or EI₂ 45 panels:

- Nominal thickness of steel in the front panel 1.0 mm
- Nominal thickness of steel in the frame 1.0 mm
- Mineral fibre insulation thickness 30 mm and protective magnesium silicate sheet thickness 9.0 mm.
- Piano hinge; the hinge is 25 mm longer than the nominal panel size.
- 2.8 * 30 mm expanding seal

Installation of EI₂ 60, E60 or EI₂ 45 panels:

- Installation opening max. 13 mm larger than the frame.
- When installing, a 2.8 * 20 mm expanding seal is installed around the frame.

EI₂ 30, vertical installation:

- The size of the hatch frame is:
 - width 141–591 mm
 - height 141–591 mm
- area max. 0.35 m²
- Installed on a lightweight wall with a thickness of at least 116 mm.
- Installed in an opening in a wall made out of concrete, brick or other rock material with a density of at least 550 kg/m³ and a thickness of more than 100 mm.
- The panel has 2 locks.

EI₂ 30, vertical installation:

- The size of the hatch frame is:
 - width 141–450 mm
 - height 141–450 mm
- area max. 0.18 m²
- Installed on a lightweight wall with a thickness of at least 116 mm.
- Installed in an opening in a wall made out of concrete, brick or other rock material with a density of at least 550 kg/m³ and a thickness of more than 100 mm.
- The panel has 1 lock.

EI₂ 20, vertical installation:

- The size of the hatch frame is:
 - width 141–680 mm
 - height 141–680 mm
 - area max. 0.42 m²
- Installed on a lightweight wall with a thickness of at least 116 mm.
- Installed in an opening in a wall made out of concrete, brick or other rock material with a density of at least 550 kg/m³ and a thickness of more than 100 mm.
- The panel has 2 locks.

E 30, vertical installation:

- The maximum size of the hatch frame is:
 - width 680 mm
 - height 680 mm
 - area max. 0.42 m²
- Installed on a lightweight wall with a thickness of at least 116 mm.
- Installed in an opening in a wall made out of concrete, brick or other rock material with a density of at least 550 kg/m³ and a thickness of more than 100 mm.
- The panel has 2 locks.



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E 30, vertical installation:

- The maximum size of the hatch frame is:
 - width 450 mm
 - height 450 mm
 - area max. 0.18 m²
- Installed on a lightweight wall with a thickness of at least 116 mm.
- Installed in an opening in a wall made out of concrete, brick or other rock material with a density of at least 550 kg/m³ and a thickness of more than 100 mm.
- The panel has 1 lock.

El₂ 30, horizontal installation:

- The size of the hatch frame is:
 - width 141–591 mm
 - height 141–591 mm
 - area max. 0.35 m²
- Installed on a lightweight wall with a thickness of at least 116 mm.
- The panel is installed facing down.
- The panel has 2 locks.

El₂ 30, horizontal installation:

- The size of the hatch frame is:
 - width 141–450 mm
 - height 141–450 mm
 - area max. 0.18 m²
- Installed on a lightweight wall with a thickness of at least 116 mm.
- The panel is installed facing down.
- The panel has 1 lock.

E 30, horizontal installation:

- The maximum size of the hatch frame is:
 - width 591 mm
 - height 591 mm
 - area max. 0.35 m²
- Installed on a lightweight wall with a thickness of at least 116 mm.
- The panel is installed facing down.
- The panel has 2 locks.

E 30, horizontal installation:

- The maximum size of the hatch frame is:
 - width 450 mm
 - height 450 mm
 - area max. 0.18 m²

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- Installed on a lightweight wall with a thickness of at least 116 mm.
- The panel is installed facing down.
- The panel has 2 locks.

Structure of EI₂ 30, E30 or EI₂ 20 panels:

- Thickness of steel in the front panel 0.75–0.83 mm. For the EI classification, the thickness of a panel larger than 291 mm * 391 mm can be 1.1 mm.
- Nominal thickness of steel in the frame 1.0 mm
- Mineral fibre insulation thickness 40 mm
- Piano hinge; the hinge is 25 mm longer than the nominal panel size.
- 2.8 * 30 mm expanding seal

Installation of EI₂ 30, E30 or EI₂ 20 panels:

- Installation opening max. 11 mm larger than the frame for vertical installation and 10 mm larger for horizontal installation.
- When installing, a 2.8 * 20 mm expanding seal is installed around the frame.

The type-approval certificate is based on an initial inspection of the production and testing at notified laboratories in accordance with EN 16034. The decision is in effect provided that the requirements included in the General Rules for Product Certification and the above-mentioned regulations and documents are continuously met. Inspecta Sertifiointi Oy continuously monitors the internal production quality control carried out by the factory. Inspecta Sertifiointi Oy will cancel this type-approval certificate if the construction product does not meet the essential technical requirements of the Land Use and Building Act or the regulations issued under it. If the product is transferred to the scope of the CE marking, the type-approval certificate expires. The validity of the type-approval certificate can be verified at www.kiwa.com/fi.

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