

## TYPE APPROVAL



**Issued:** June 6, 2016

**Valid until:** March 16, 2021

VTT Expert Services Ltd has, based on the act given about the approval of certain construction products (954/2012) 5§ and taking into account the provisions of the chapter 2 and provisions of 1§ of decree given by the Ministry of the Environment on the approval of certain construction products (555/2013), issued the following type approval.

### PRODUCT

#### Cetap inspection hatches

Inspection hatches are manufactured according to 00102 (no date), 00103 (no date), 00104 (no date), 00105 (no date), 000106 (no date) tai 000107 (no date) and mounting instructions Nr. 001 (no date).

### MANUFACTURER

Hangzhou Shunshi Hardware and Machinery Co., Ltd, China.

### SCOPE OF THE APPROVAL

With this approval, it is verified that the mentioned inspection hatches meets the requirements set for fire resistance of doors in the National Building Code of Finland in a following manner:

- Inspection hatches fire resistance class **EI<sub>2</sub> 15**, **EI<sub>2</sub> 30** and **EI<sub>2</sub> 60**, classification according to standard SFS-EN 13501-2.

Table. Fire resistance class of the inspection hatch according to wall construction.

Size of the inspection hatch (width x height)	Fire resistance class of the hatch		
	EI <sub>2</sub> 15*	EI <sub>2</sub> 30*	EI <sub>2</sub> 60**
225 x 225	x	x	x
300 x 300	x	x	x
300 x 400	x	x	---
400 x 400	x	x	---
450 x 450	x	x	---
500 x 500	x	x	---
600 x 600	x	x	---

- x = meet the requirements of the fire resistance class.  
 --- = does not meet the requirements of the fire resistance class  
 \* = mounted on the rigid wall construction or nonstandard light weight wall construction

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## CONDITIONS OF THE APPROVAL

\*\* = mounted on rigid wall construction

### Structure and dimensions of the hatches

Size of the hatches is presented on drawings.

Frame profile is manufactured of 0,85 mm thick galvanized, powder coated steel sheet. Depth of the perforated frame profile is 50,5 mm.

Leaf of the inspection hatch is manufactured of 0,85 mm thick galvanized, powder coated steel sheet and is insulated with stone wool and plaster board sheet. Leaf is fitted to the frame with two hinges, which were placed on opposite side to lock.

The maximum permitted primary gap\* on the hinge side is 4,0 mm, on the lock side 3,5 mm upper side edge 4,0 mm and at bottom side edge 3,0 mm.

\* = primary gap is the gap perpendicular to the face of the leaf. The maximum permitted gap size is defined in standard EN 1634-1:2014 chapter 13.3.3.2.5.

Leaf can be covered with up to 1,5 mm thick decorative facing like timber veneer or laminate. Decorative facing is not allowed to cover the edges of the leaf.

Detailed structure of the door is illustrated in the drawings.

### Installation

Inspection hatch can be installed into the opening of unsymmetrically clad wood or metal framed class EI 30 light weight wall construction which is clad on the other side with 13 mm thick plaster boards. Total thickness of the plaster boards shall be minimum 25 mm.

Cut out opening for hatch can exceed the frame dimensions by 5 mm. Hatch is mounted and fixed into the opening according to the mounting instructions. Concerning the hatches of size 500 mm x 500 mm and 600 mm x 600 mm there shall be mounted horizontal railing between the studs, above and below the frame of the hatch.

Inspection hatch can be mounted into the opening of rigid concrete or masonry EI 30-class wall construction with minimum density of 550 kg/m<sup>3</sup>. Thickness of the rigid wall construction shall be minimum 70 mm. Cut out opening for the hatch can exceed the frame dimensions by 10 mm.

Frame of the inspection hatch is fixed with screws or L-profiles to the frame of the dry wall. Mounting of the frame to the rigid wall

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construction is done by wire nails.

Mounting shall be done according to the mounting instructions.

Installation instructions, which shall include mounting, fitting and operating instructions, shall be delivered.

### Other conditions

Mounting and operating instructions shall be delivered to responsible party of the building.

### VERIFICATION OF THE QUALITY CONTROL

#### Verification Body of Quality control

VTT Expert Services Ltd., Espoo, Finland

#### Quality control contract

Quality control contract number VTT-A-00030-16 signed on March 15, 2016 or updated afterwards.

### MARKING

Marking plates shall be fastened to the hinge side of the leaf and frame. Metal plates with dimensions e.g. 25 mm x 55 mm x 0,5 mm shall be permanently marked with the following information:

- Type approval logo (model as an appendix)
- VTT-RTH-00019-16
- EI<sub>2</sub> 15, EI<sub>2</sub> 30 or EI<sub>2</sub> 60
- Manufacturer
- Production year

There shall be only one fire resistance class on the marking plate.

### VALIDITY PERIOD

The validity of this decision starts on June 6, 2016 and ends no later than on March 16, 2021.

If the product enters the CE marking the type approval expires.

### REMARKS

VTT Expert Services Ltd acts as a type approval body based on the act given about the approval of certain construction products 18§, authorized by the Finnish Ministry of the Environment and as a certification body (S017) accredited by FINAS.

### CANCELLATION OF THE TYPE APPROVAL

The type approval decision will be cancelled if:

- The construction product does not fulfil the requirements presented in the land use and building act or the technical requirements based on the act.
- The importer or the manufacturer or its representative does

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- not correct the flaws detected by the quality control.
- The usage of the construction product is prohibited by Finnish Safety and Chemicals Agency (Tukes) or the importer or the manufacturer or its representative is ordered to withdraw the product from the markets by Tukes.

### BASIS OF THE APPROVAL

Decree of the Finnish Ministry of the Environment of type approval for doors on October 22, 2007.

Following test reports, statement and standard:

- VTT-S-05993-15 (5.2.2016), VTT Expert Services Ltd, test report
- VTT-S-05994-15 (5.2.2016), VTT Expert Services Ltd, test report
- VTT-S-0595-15 (5.2.2016), VTT Expert Services Ltd, test report
- VTT-S-02005-16 (3.6.2016), VTT Expert Services Ltd, test report
- Standard SFS-EN 1634-1:2014



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### ANNEXES

Type approval logo  
Rectification demand- and reclamation guide

### FOR INFORMATION

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*"This is English version of the original Finnish version of the type approval with a same number. If the English version conflicts with the original version, the original version is valid. This English version was issued on June 6, 2016."*