

City sector	Block	Site/Reg. nr.	File nr.		
Building type	Drawing type			Nr.	
Building, Name and address	Contents of drawing			Scale	
RUUKKI Ruukki Construction Oy Panuntie 11 00620 HELSINKI FINLAND					Sandwich panel SPA and nSPB BASE DETAIL DRAWINGS Compartment walls, fire penetration
Date 23.01.2026	Designer	Work nr.	Work nr.	Drw. nr.	Rev.
Drawn by Ruukki	Checked				



Contents of drawing

Sandwich panel SPA and nSPB

Compartment details of horizontal wall panels, fire penetration on panel JOINT area, front view

Date 23.01.2026	Rev. date	Work nr.	Drawing nr. SP50-FIRE-P1-EN
Drawn by Ruukki	Rev.		
Scale 1:25	Building		File nr.

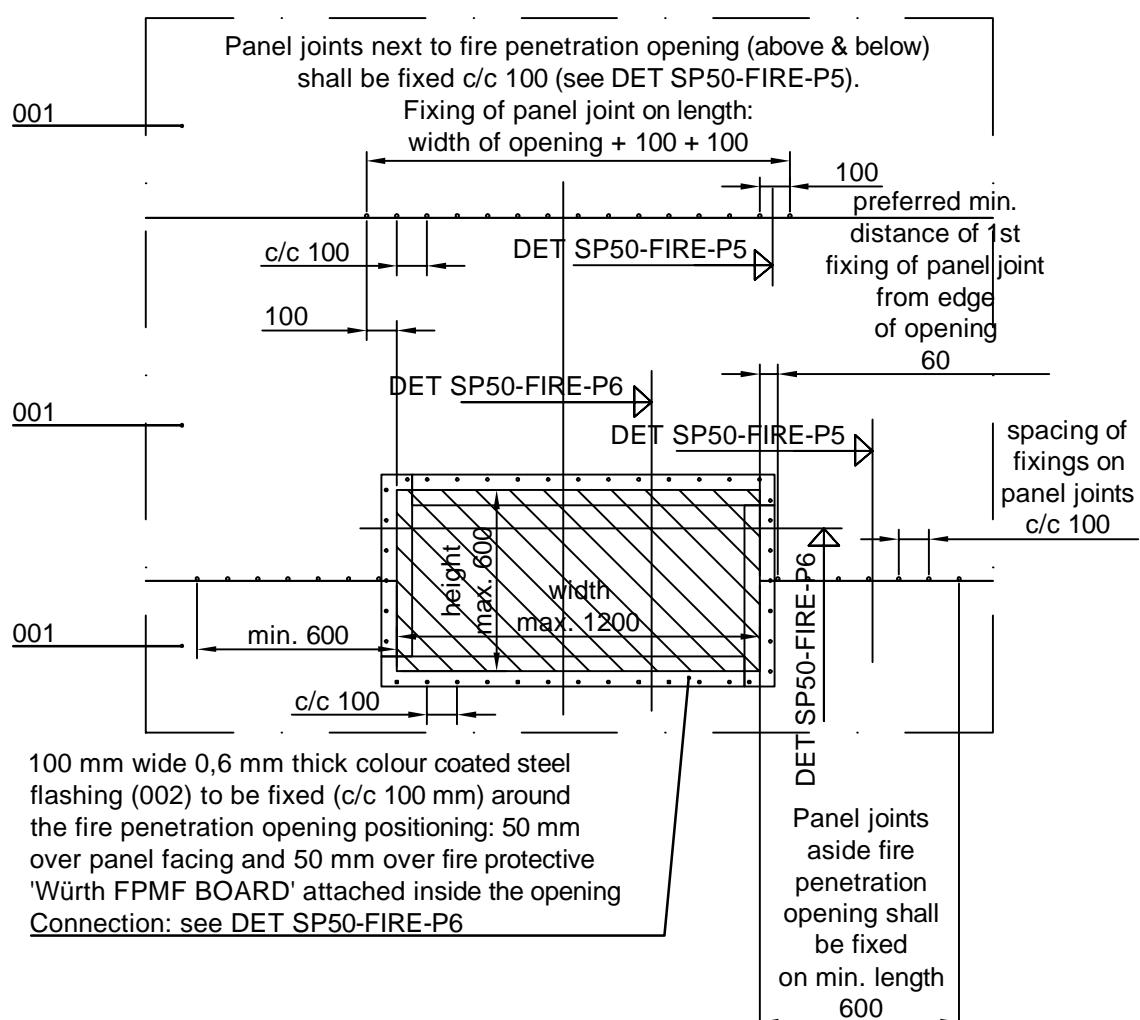
Max. size of fire penetration opening on horizontally oriented wall panel: width 1200 mm, height 600 mm. Longer dimension of opening (max. 1200 mm) on direction of panel joints. Openings must be taken into account in dimensioning of panels.

European Technical Assessment no. "ETA-24/0628 / Würth FPMF BOARD" and related instructions to be followed on designing and execution.

Solutions apply for Ruukki SPA E, SPA I, SPA F, SPA S, SPA EE and nSPB MW-panel types. Min. nom. thickness of SPA or nSPB panel: 97 mm. Panel type must have at least same EI-rating with Würth fire penetration system to be used on panel wall (max. EI 120 available).

NOTICE! SIMILAR FIXINGS ON BOTH PANEL FACINGS

NOTICE! In this principle detail panel joint located below the opening is not shown.



- 001. Sandwich panel SPA or nSPB, horizontal installation
- 002. 100 mm wide 0,6 mm thick colour coated steel flashing
- Ruukki's delivery



Contents of drawing

Sandwich panel SPA and nSPB

Compartment details of horizontal wall panels,
fire penetration on CENTRAL part of panel width, front view

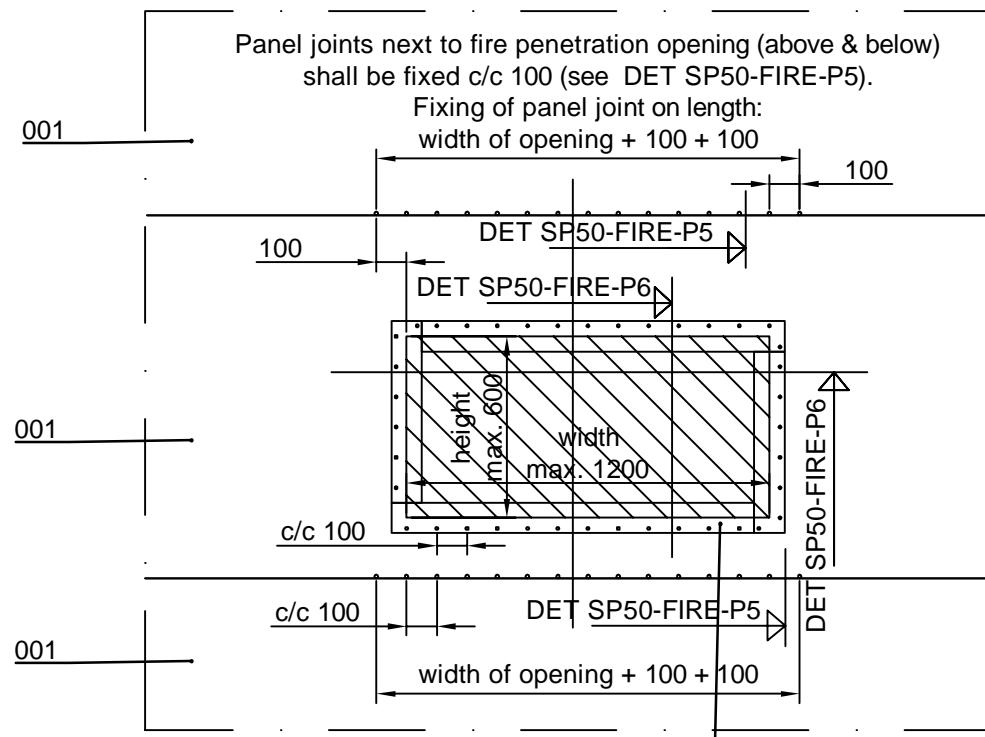
Date 23.01.2026	Rev. date	Work nr.	Drawing nr. SP50-FIRE-P2-EN
Drawn by Ruukki	Rev.		
Scale 1:25	Building		File nr.

Max. size of fire penetration opening on horizontally oriented wall panel: width 1200 mm, height 600 mm.
Longer dimension of opening (max. 1200 mm) on direction of panel joints. Openings must be taken into account in dimensioning of panels.

European Technical Assessment no. "ETA-24/0628 / Würth FPMF BOARD" and related instructions to be followed on designing and execution.

Solutions apply for Ruukki SPA E, SPA I, SPA F, SPA S, SPA EE and nSPB MW-panel types. Min. nom. thickness of SPA or nSPB panel: 97 mm. Panel type must have at least same EI-rating with Würth fire penetration system to be used on panel wall (max. EI 120 available).

NOTICE! SIMILAR FIXINGS ON BOTH PANEL FACINGS



100 mm wide 0,6 mm thick colour coated steel
flashing (002) to be fixed (c/c 100 mm) around
the fire penetration opening positioning: 50 mm
over panel facing and 50 mm over fire protective
'Würth FPMF BOARD' attached inside the opening
Connection: see DET SP50-FIRE-P6

- 001. Sandwich panel SPA or nSPB, horizontal installation
- 002. 100 mm wide 0,6 mm thick colour coated steel flashing
- Ruukki's delivery

**Sandwich panel SPA and nSPB
Compartment details of vertical wall panels,
fire penetration on panel JOINT area, front view**

Date 23.01.2026	Rev. date	Work nr.	Drawing nr. SP50-FIRE-P3-EN
Drawn by Ruukki	Rev.		
Scale 1:25	Building		File nr.

Max. size of fire penetration opening on vertically oriented wall panel: height 1200 mm, width 600 mm. Longer dimension of opening (max. 1200 mm) on direction of panel joints. Openings must be taken into account in dimensioning of panels.

European Technical Assessment no. "ETA-24/0628 / Würth FPMF BOARD" and related instructions to be followed on designing and execution.

Solutions apply for Ruukki SPA E, SPA I, SPA F, SPA S, SPA EE and nSPB MW-panel types. Min. nom. thickness of SPA or nSPB panel: 97 mm. Panel type must have at least same EI-rating with Würth fire penetration system to be used on panel wall (max. EI 120 available).

NOTICE! SIMILAR FIXINGS ON BOTH PANEL FACINGS

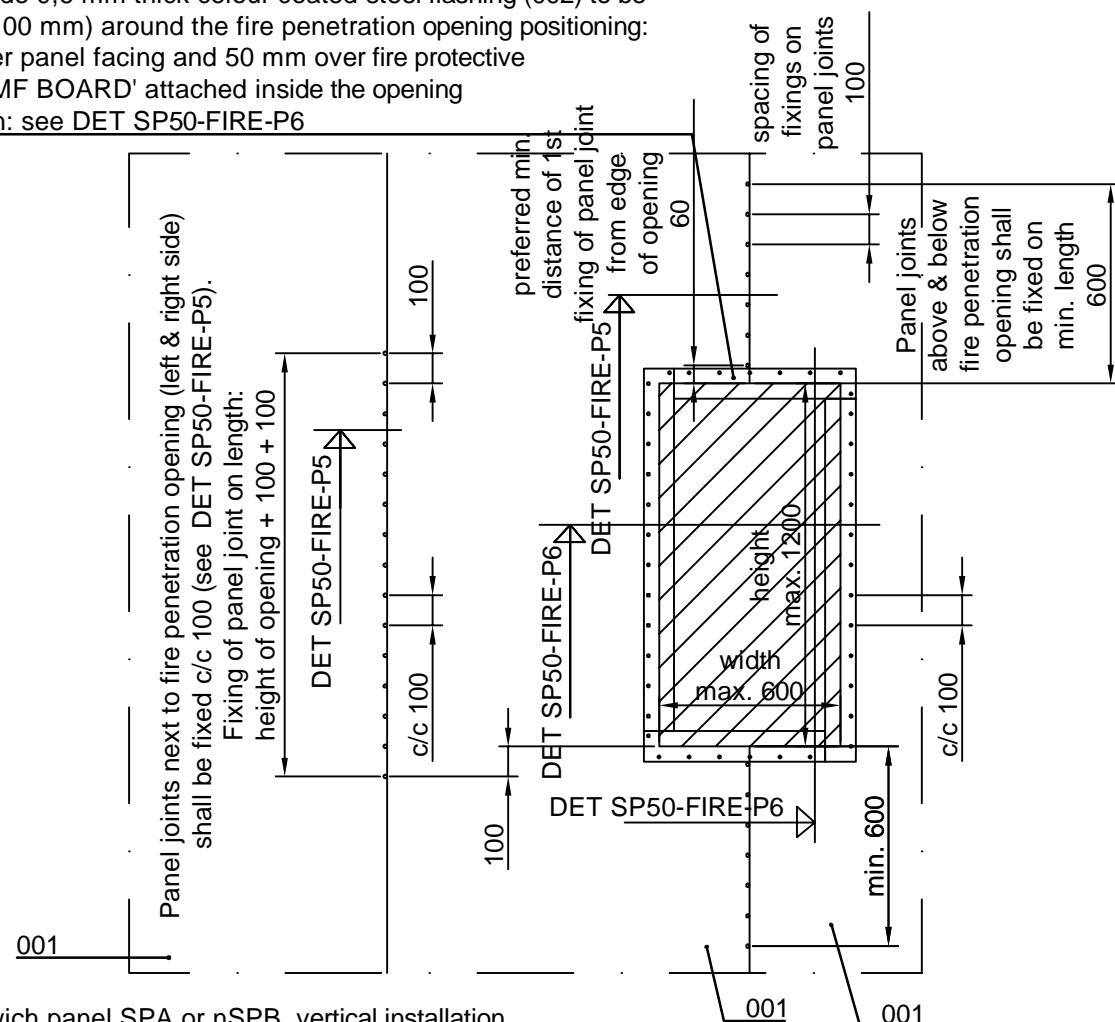
NOTICE! In this principle detail panel joint located on other side of the opening is not shown.

100 mm wide 0,6 mm thick colour coated steel flashing (002) to be fixed (c/c 100 mm) around the fire penetration opening positioning:

50 mm over panel facing and 50 mm over fire protective

'Würth FPMF BOARD' attached inside the opening

Connection: see DET SP50-FIRE-P6



- 001. Sandwich panel SPA or nSPB, vertical installation
- 002. 100 mm wide 0,6 mm thick colour coated steel flashing
- Ruukki's delivery

Date 23.01.2026	Rev. date	Work nr.	Drawing nr. SP50-FIRE-P4-EN
Drawn by Ruukki	Rev.		
Scale 1:25	Building		File nr.

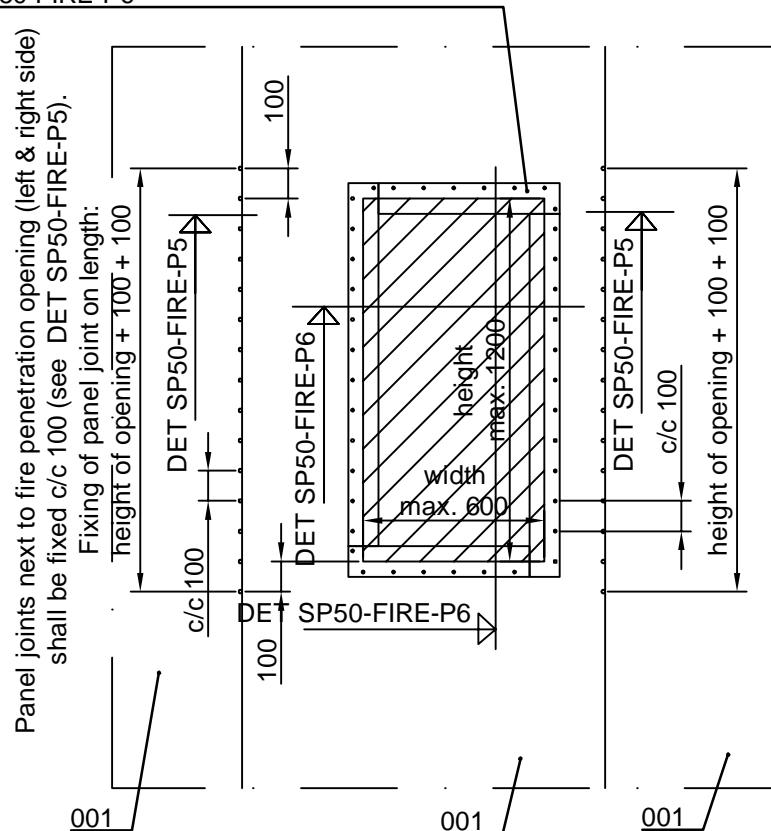
Max. size of fire penetration opening on vertically oriented wall panel: height 1200 mm, width 600 mm.
Longer dimension of opening (max. 1200 mm) on direction of panel joints. Openings must be taken into account in dimensioning of panels.

European Technical Assessment no. "ETA-24/0628 / Würth FPMF BOARD" and related instructions to be followed on designing and execution.

Solutions apply for Ruukki SPA E, SPA I, SPA F, SPA S, SPA EE and nSPB MW-panel types. Min. nom. thickness of SPA or nSPB panel: 97 mm. Panel type must have at least same EI-rating with Würth fire penetration system to be used on panel wall (max. EI 120 available).

NOTICE! SIMILAR FIXINGS ON BOTH PANEL FACINGS

100 mm wide 0,6 mm thick colour coated steel flashing (002)
to be fixed (c/c 100 mm) around the fire penetration opening
positioning: 50 mm over panel facing and 50 mm over
fire protective 'Würth FPMF BOARD' attached inside the opening
Connection: see DET SP50-FIRE-P6



- 001. Sandwich panel SPA or nSPB, vertical installation
- 002. 100 mm wide 0,6 mm thick colour coated steel flashing
- Ruukki's delivery



Contents of drawing

Sandwich panel SPA and nSPB

Compartment details of horizontal and vertical wall panels,
fixing of panel joints within fire penetration opening, section

Date 23.01.2026	Rev. date	Work nr.	Drawing nr. SP50-FIRE-P5-EN
Drawn by Ruukki	Rev.		
Scale 1:2,5	Building		File nr.

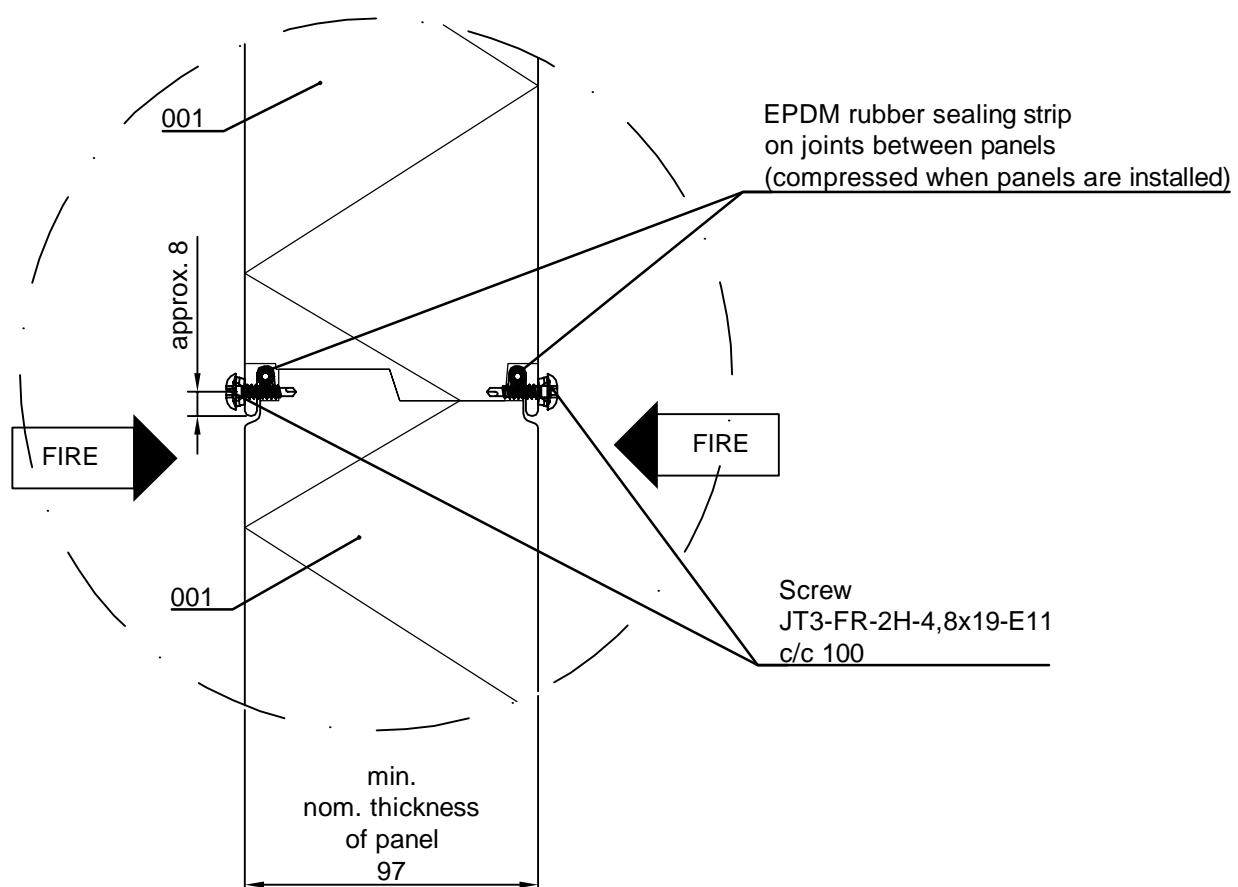
Screw type JT3-FR-2H-4,8x19-E11 (EJOT) or equal to be used for fixing of panel joints. Screw must have stainless steel washer, min. diameter of screw 4,8 mm.

Positioning and spacing of fixings: see DET no. SP50-FIRE-P1...P4.

European Technical Assessment no. "ETA-24/0628 / Würth FPMF BOARD" and related instructions to be followed on designing and execution.

Solutions apply for Ruukki SPA E, SPA I, SPA F, SPA S, SPA EE and nSPB MW-panel types. Min. nom. thickness of SPA or nSPB panel: 97 mm. Panel type must have at least same EI-rating with Würth fire penetration system to be used on panel wall (max. EI 120 available).

NOTICE! SIMILAR FIXINGS ON BOTH PANEL FACINGS



- 001. Sandwich panel SPA or nSPB, horizontal or vertical installation

- Ruukki's delivery

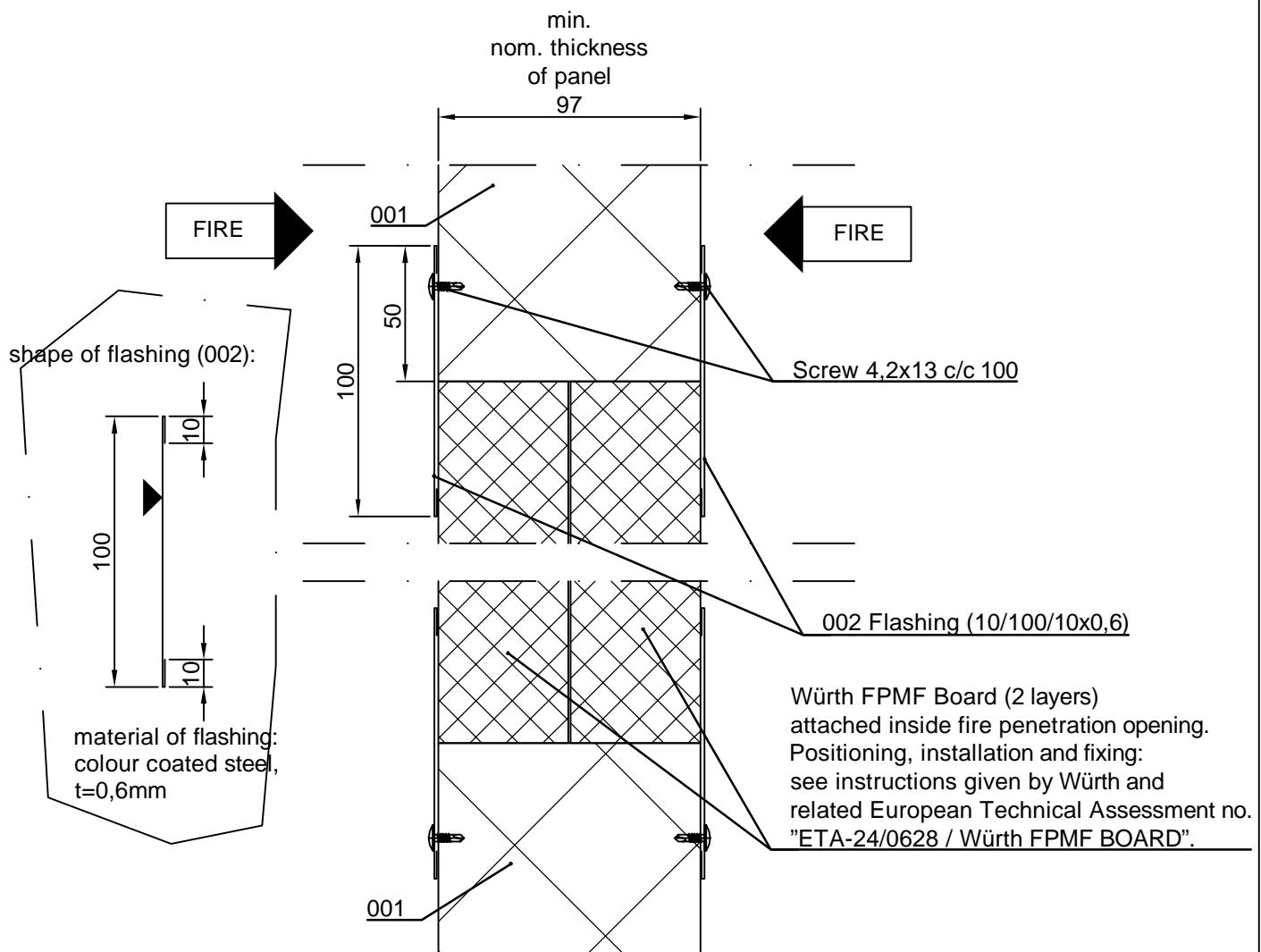
Date 23.01.2026	Rev. date	Work nr.	Drawing nr. SP50-FIRE-P6-EN
Drawn by Ruukki	Rev.		
Scale 1:2,5	Building		File nr.

Positioning and spacing of fixings: see DET no. SP50-FIRE-P1...P4.
Screw for fixing of flashing; min. diameter 4,2 mm.

European Technical Assessment no. "ETA-24/0628 / Würth FPMF BOARD" and related instructions to be followed on designing and execution.

Solutions apply for Ruukki SPA E, SPA I, SPA F, SPA S, SPA EE and nSPB MW-panel types. Min. nom. thickness of SPA or nSPB panel: 97 mm. Panel type must have at least same EI-rating with Würth fire penetration system to be used on panel wall (max. EI 120 available).

NOTICE! SIMILAR FIXINGS ON BOTH PANEL FACINGS



- 001. Sandwich panel SPA or nSPB, horizontal or vertical installation
- 002. 100 mm wide 0,6 mm thick colour coated steel flashing
- Ruukki's delivery