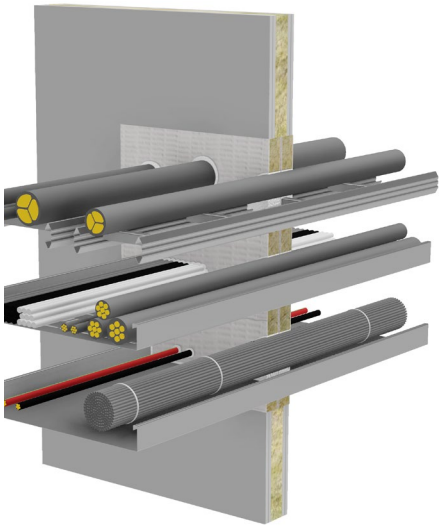
FIRESAFE FT Board

PRODUCT DESCRIPTION

FIRESAFE FT Board is a fire sealing system of prefabricated boards, for quick and easy installation in wall and floor constructions. Consisting of non-combustible mineral wool class A1 acc. EN 13501-1 with a melting point of ≥ 1000 ° C. FIRESAFE FT Board has a density of 160kg/m3 and is 50 mm thick. The FT Board is coated with a fire retardant - top paint (surface), FIRESAFE FT Coating, which is applied on one or both sides of the FT Board.
When used in technical installations, the FT Board is applicable with FIRESAFE FT Acrylic / FIRESAFE FT Graphite / FIRESAFE FIRE WRAP / FIRESAFE Fire Collar.
Additional products are chosen according to the type of installation as shown in the installation instructions.



ARTICLE / PRODUCT NAME / SIZE

200631: FIRESAFE FT Board. 600x1200x50 mm 2S = coated on 2 sides.

CERTIFICATION / FIRE RESISTANCE CLASS

- FIRESAFE FT Board has been tested according to NS-EN 1366-3 (2009) and EN 13501-1 / 2.
- Air ducts are tested according to NS-EN 1366-3 and EN 13501-1 / 2.
- Fire dampers are tested according to NS-EN 1366-2 and EN 13501-1 / 2.
- Approved as smoke sealant according to EN 1634-3.
- Certified according to ETA-16/0103.
- Fire resistance class EI 30 to EI 120 with extensive applications for walls and floors.
- Multiple penetrations shall not exceed more than 60% of the area in the aperture.
- For more details, see DoP - Declaration of Performance at www.firesafe.no.
- Metal pipes isolated with cellular rubber must be with cellular rubber type Armaflex or equivalent, Euroclass B/ BL-s3, d0.
- For other technical information of the FIRESAFE FT Board either for sound or other uses, see Product Data Sheet (PDS) / Technical Data Sheet (TDS).

INSTALLATION

- Clean the openings for dust and grease.
- Treat absorbent materials with water or primer first.
- Cut and adjust FIRESAFE FT Board tight-fit for the aperture with knife or pad saw.
- Apply FIRESAFE FT Coating or FIRESAFE FT Paste or FIRESAFE FT Acrylic on all cross-cut edges of the board with filling knife, caulking gun, sealant gun, paint brush or similar before pressing the FT Board into the aperture.
- When FIRESAFE FT Board is installed in the aperture, seal smaller cracks and gaps between the FT Board and surrounding constructions with FIRESAFE FT Acrylic from both sides of the FT Board.
- Cracks / gaps between the board and construction greater than 5 mm must be sealed with FT Acrylic to a depth not less than 25 mm.
- Smooth out the sealant in the gap between the FT Board and the aperture, use masking tape for perfect edges.
- Seal openings between FIRESAFE FT Board and installation with FIRESAFE FT Acrylic or FIRESAFE FT Graphite, min. width 5 mm and depth must be the entire board thickness on both sides. Use of backing is optional.

OVERVIEW OF PENETRATIONS TYPES AND FIRE RESISTANCE CLASS

Empty aperture in wall	**EI 30 – EI 120**	Page 2-3	Detail fig 1-2
Empty aperture in floor	**EI 60**	Page 4	Detail fig 3
Multiple mixed penetrations in wall and floor	**EI 60**	Page 5-6	Detail fig 4-5
Multiple cable penetrations in wall	**EI 60**	Page 7	Detail fig 6
Multiple cable penetrations in floor	**EI 60**	Page 8	Detail fig 7
Air duct in wall and floor	**EI 60**	Page 9-10	Detail fig 8-9
Fire damper in wall	**EI 90**	Page 11	Detail fig 10
Air duct with fire damper in wall	**EI 60**	Page 12	Detail fig 11
Plastic pipe with FIRESAFE FIRE COLLAR in wall	**EI 60**	Page 13	Detail fig 12-13
Electrical plastic conduits in wall	**EI 120**	Page 14	Detail fig 14
Plastic pipe with FIRESAFE FIRE WRAP in floor	**EI 90**	Page 15	Detail fig 15
Insulated steel and copper pipe in wall	**EI 60**	Page 16-17	Detail fig 16-19
Insulated steel and copper pipe in floor	**EI 90**	Page 18	Detail fig 20-21

FIRESAFE

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FIRESAFE FT Board

Rigid wall ≥ 100 mm.				
Empty aperture	**Thickness of FIRESAFE FT Board 2S**	**Aperture dimension**	**Fire resistance class**	**See detail, fig.**
Empty aperture	1 x 50 mm	600 x 1200 mm	**EI 30**	**Figure 1**
Empty aperture	1 x 50 mm	600 x 400 mm	**EI 120**	

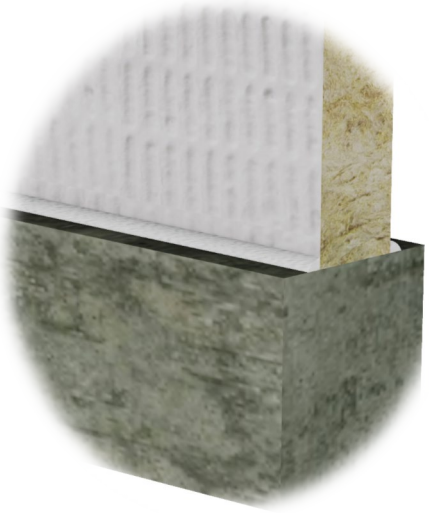
Figure 1
Installation of FIRESAFE FT Board

Cut FIRESAFE FT Board to size for a tight-fit positioning in the aperture with a knife or saw. Apply FIRESAFE FT Acrylic on all cross-cut edges of the FT Board with filling knife or similar tool, before pressing the FT Board tight-fit in the aperture.

Finally, apply FIRESAFE FT Acrylic sealant with an angle on the outside of the FT Board and against the concrete construction with a width x depth of approx. 8 x 8 mm on both sides of the board.



Note: Angled joint with a width x depth of approx. 8 x 8 mm on both sides of the board.



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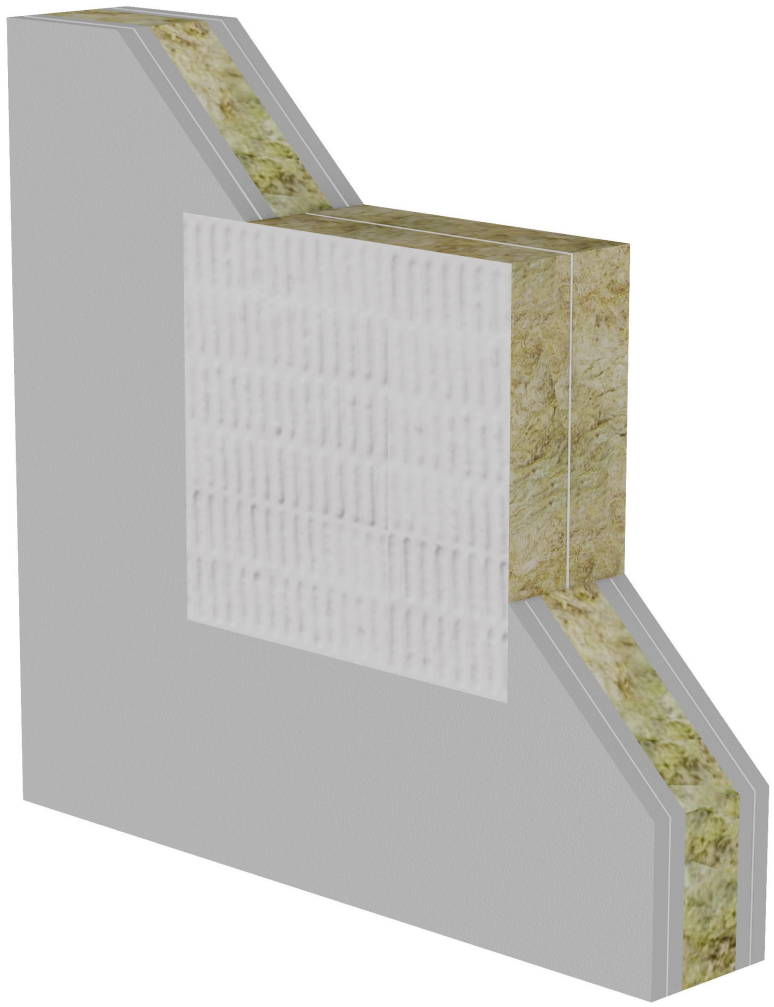
FIRESAFE FT Board

Flexible and rigid wall ≥ 100 mm.				
Empty aperture in wall	**Thickness of FIRESAFE FT Board 2S**	**Aperture dimension**	**Fire resistance class**	**See detail, fig.**
Empty apertures in wall	2 x 50 mm	600 x 1200 mm	**EI 60**	**Figure 2**

Figure 2
Installation of FIRESAFE FT Board

Cut FIRESAFE FT Board to size for a tight-fit positioning in the aperture with a knife or saw. Apply FIRESAFE FT Acrylic on all cross-cut edges of the FT Board with filling knife or similar tool before pressing the FT Board to a tight-fit positioning in the aperture.

FIRESAFE FT Board is applied flush with wall on both sides. When FIRESAFE FT Board is installed in the aperture, seal openings between the FT Board and the construction with FIRESAFE FT Acrylic from both sides of the wall.



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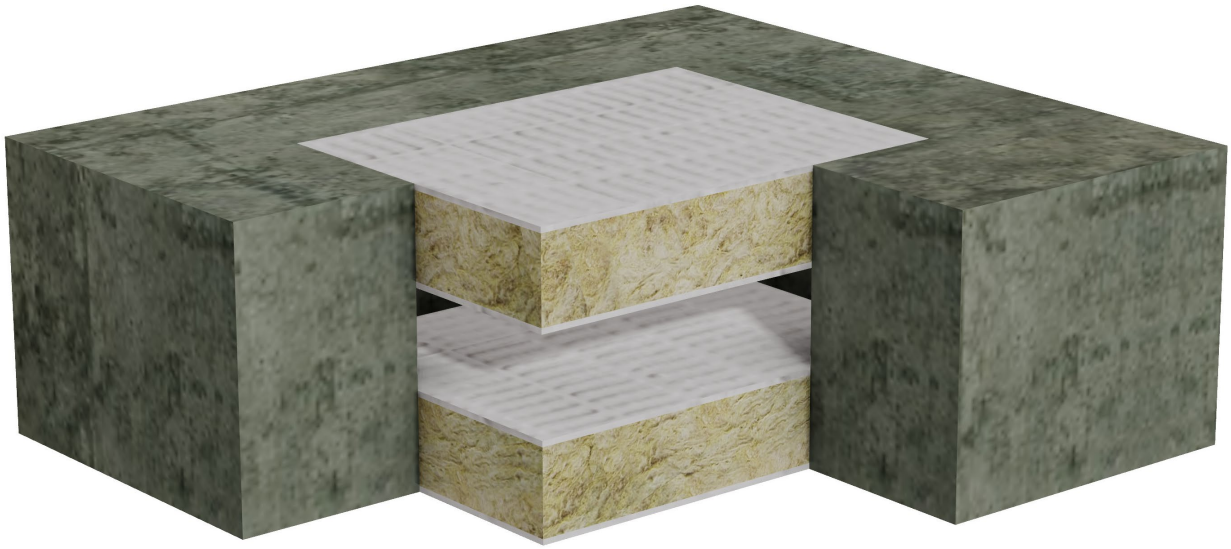
FIRESAFE FT Board

Rigid floor ≥ 150 mm.				
Empty apertures	**Thickness of FIRESAFE FT Board 2S**	**Aperture dimension**	**Fire resistance class**	**See detail, fig.**
Empty apertures	2 x 50 mm	600 x 1200 mm	**EI 60**	**Figure 3**

Figure 3
Installation of FIRESAFE FT Board

Cut FIRESAFE FT Board to size for a tight-fit positioning in the aperture with a knife or saw. Apply FIRESAFE FT Acrylic on all cross-cut edges of the FT Board with filling knife or similar tool before pressing the FT Board to a tight-fit positioning in the aperture.

FIRESAFE FT Board is applied flush with floor on both sides. When FIRESAFE FT Board is installed in the aperture, seal openings between the FT Board and the construction with FIRESAFE FT Acrylic from both sides of the wall.



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FIRESAFE FT Board

Flexible and rigid wall ≥ 100 mm				
Mixed large penetrations	**Thickness of FIRESAFE FT Board 2S**	**Aperture dimension**	**Fire resistance class**	**See detail, fig.**
All types of installations mixed	2 x 50 mm	600 x 1200 mm	**EI 60**	**Figure 4**

Different types of installations

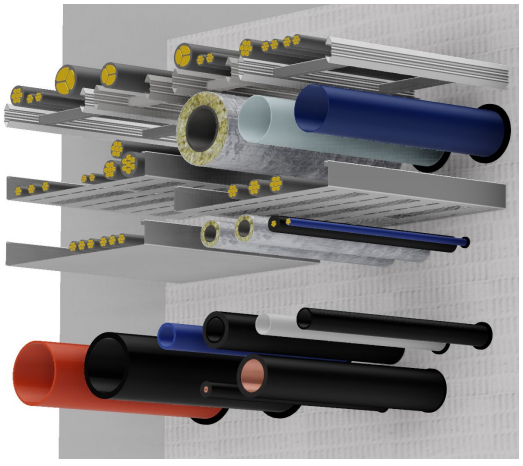
CABLE/ CABLE TRAYS / CABLE LADDERS	**STEEL PIPE**	**ALUMINUM PIPE**	**PLASTIC PIPE**
Passing continuous cable tray and cable ladder. All kinds and types of cable with all kinds of cable sheathing / insulation. Small cables (A, B) d ≤ Ø 21 mm. Medium cables (C, E) d ≤ Ø 50 mm. Cable bundle d ≤ Ø 100 mm with cables d ≤ Ø 21 mm or telecommunication cables. Plastic electrical conduits d ≤ 16 mm.	Steel pipe d ≤ Ø101 mm insulated with 13 mm cellular rubber type Armaflex AF. **LS**: The pipe must have a continuous pipe insulation with length 300 mm out from the wall on both sides and through the penetration.	Alu- PEX pipe d ≤ Ø25 mm insulated with 13 mm cellular rubber type Armaflex AF. **LS**: The pipe must have a continuous pipe insulation with length 300 mm out from the wall on both sides and through the penetration. **Note:** 2 layers of FIRE WRAP is installed on the pipe flush with the board, on both sides of the wall.	Plastic pipe PE d ≤ Ø110x2,7 mm. Plastic pipe PE d ≤ Ø110x3.4 mm. Plastic pipe PP d ≤ Ø110x2.7 mm Plastic pipe PP d ≤ Ø110x6,3 mm Plastic pipe PP d ≤ Ø110x10 mm Also PVC pipes of the same size. **Note:** 2 layers of FIRE WRAP is installed on the plastic pipe ≤ Ø110 flush with the board on both sides of the wall, OR use a FIRE COLLAR on the pipe - on both sides of the wall.
Openings between cables and FIRESAFE FT Board are sealed with FIRESAFE FT Acrylic / FIRESAFE FT Graphite to a min. width of 5 mm through the entire thickness of the board.	Openings between pipes and FIRESAFE FT Board are sealed with FIRESAFE FT Acrylic / FIRESAFE FT Graphite to a min. width of 10 mm x 25 mm depth.	Openings between FIRESAFE FIRE WRAP and FIRESAFE FT Board are sealed with FIRESAFE FT Acrylic / FIRESAFE FT Graphite to a min. width of 10 mm x 25 mm depth.	FIRESAFE FIRE WRAP must be recessed in the FIRESAFE FT Board on both sides of the wall and be visible after installation. Openings between FIRESAFE FIRE WRAP and FIRESAFE FT Board are smoke sealed with FIRESAFE FT Acrylic to min. width of 5 mm. When using FIRESAFE FIRE Collar, first seal between pipes and FIRESAFE FT Board with the FIRESAFE FT Acrylic. FIRE COLLAR attaches to FT Board with screws type FireScrew. Length 40 mm.

Figure 4

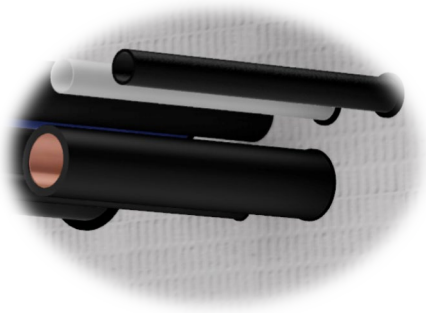
Multiple penetrations shall not exceed more than 60% of the area in the aperture.
There is no requirement for spacing between cables, cables can lie right next to each other or in a bundle.
Horizontal distance between the installation and the edge of aperture must be at least 30 mm. The vertical distance between the installation and the edge of the aperture can be 0 mm. The distance between different types of installations must be at least 20 mm both in horizontal and vertical direction.

Installation of FIRESAFE FT Board

Cut FIRESAFE FT Board to size for a tight-fit positioning in the aperture with a knife or saw. Apply FIRESAFE FT Acrylic on all cross-cut edges of the FT Board with filling knife or similar tool before pressing the FT Board to a tight-fit positioning in the aperture.
FIRESAFE FT Board is applied flush with wall on both sides. When FIRESAFE FT Board is installed in the aperture, seal openings between the FT Board and the construction with FIRESAFE FT Acrylic from both sides of the wall.



Note: FIRESAFE FIRE WRAP must be recessed in the FIRESAFE FT Board on both sides of the wall and be visible after installation.



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FIRESAFE FT Board

Rigid floor ≥ 150 mm				
Mixed large penetrations	**Thickness of FIRESFAFE FT Board 2S**	**Aperture dimension**	**Fire resistance class**	**See detail, fig.**
All types of mixed installations	2 x 50 mm	600 x 5000 mm	**EI 60**	**Figure 5**

Different types of installations

CABLE/ CABLE TRAYS / CABLE LADDERS	**STEEL PIPE**	**ALUMINUM PIPE**	**PLASTIC PIPE**
Passing continuous cable tray and cable ladder. All kinds and types of cable with all kinds of cable sheathing / insulation. Small cables (A, B) d ≤ Ø 21 mm. Medium cables (C, E) d ≤ Ø 50 mm. Cable bundle d ≤ Ø 100 mm with cables d ≤ Ø 21 mm or telecommunication cables. Plastic electrical conduits d ≤ 16 mm.	Steel pipe d ≤ Ø101 mm insulated with 13 mm cellular rubber type Armaflex AF. **LS**: The pipe must have a continuous pipe insulation with length 300 mm out from the floor on both sides and through the penetration.	Alu- PEX pipe d ≤ Ø25 mm insulated with 13 mm cellular rubber type Armaflex AF. **LS**: The pipe must have a continuous pipe insulation with length 300 mm out from the wall on both sides and through the penetration. **Note:** 2 layers of FIRE WRAP is installed on the pipe on the underside of the floor.	Plastic pipe PE d ≤ Ø110x2,7 mm. Plastic pipe PE d ≤ Ø110x3.4 mm. Plastic pipe PP d ≤ Ø110x2.7 mm Plastic pipe PP d ≤ Ø110x6,3 mm Plastic pipe PP d ≤ Ø110x10 mm Also PVC pipes of the same size. **Note:** 2 layers of FIRE WRAP is installed on the plastic pipe ≤ Ø110 on the underside of the floor, OR use a FIRE COLLAR on the pipe - on the underside of the floor.
Openings between cables and FIRESAFE FT Board are sealed with FIRESAFE FT Acrylic / FIRESAFE FT Graphite to a min. width of 5 mm through the entire thickness of the board.	Openings between pipes and FIRESAFE FT Board are sealed with FIRESAFE FT Acrylic / FIRESAFE FT Graphite to a min. width of 15 mm x 25 mm depth.	Openings between FIRESAFE FIRE WRAP and FIRESAFE FT Board are sealed with FIRESAFE FT Acrylic / FIRESAFE FT Graphite to a min. width of 10 mm x 25 mm depth.	FIRESAFE Fire Wrap must be recessed in the lower FT Board aligned with the lower part of the floor and be visible after installation. Openings between FIRESAFE FIRE WRAP and FIRESAFE FT Board are smoke sealed with FIRESAFE FT Acrylic to min. width of 5 mm. When using FIRESAFE FIRE Collar, first seal between pipes and FIRESAFE FT Board with the FIRESAFE FT Acrylic. FIRE COLLAR attaches to FT Board with screws type FireScrew. Length 40 mm.

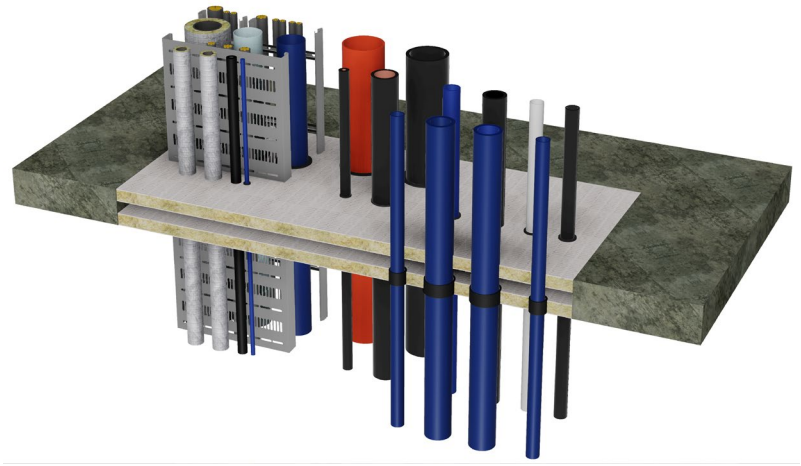
Figure 5

Multiple penetrations shall not exceed more than 60% of the area in the aperture.
There is no requirement for spacing between cables, cables can lie right next to each other or in a bundle.
Horizontal distance between the installation and the edge of aperture must be at least 30 mm. The vertical distance between the installation and the edge of the aperture can be 0 mm. The distance between different types of installations must be at least 20 mm both in horizontal and vertical direction.

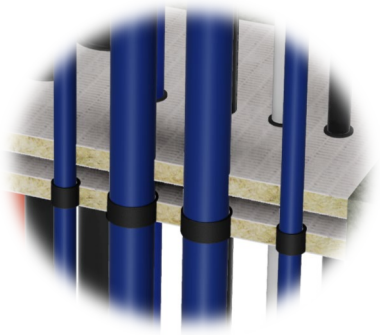
Installation of FIRESAFE FT Board

Cut FIRESAFE FT Board to size for a tight-fit positioning in the aperture with a knife or saw. Apply FIRESAFE FT Acrylic on all cross-cut edges of the FT Board with filling knife or similar tool before pressing the FT Board to a tight-fit positioning in the aperture.

FIRESAFE FT Board is applied flush with floor on both sides. When FIRESAFE FT Board is installed in the aperture, seal openings between the FT Board and the construction with FIRESAFE FT Acrylic from both sides of the floor.



Note: FIRESAFE FIRE WRAP must be recessed in the lower FT Board aligned with the lower part of the floor and be visible after installation.



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FIRESAFE FT Board

Flexible and rigid wall ≥ 100 mm.				
Large cable penetrations	**Thickness of FIRESAFE FT Board 2S**	**Aperture dimension**	**Fire resistance class**	**See detail, fig.**
CABLE/ CABLE TRAYS / CABLE LADDERS	2 x 50 mm	600 x 1200 mm	**EI 60**	**Figure 6**

Passing continuous c able tray and cable ladder.
All kinds and types of cable with all kinds of cable sheathing/insulation.
Large cables (D) d ≤ Ø80 mm.
Medium cables (C, E) d ≤ Ø 50 mm.
Small cables (A, B) d ≤ Ø 21 mm.
Cable bundle d ≤ Ø 100 mm with cables d ≤ Ø 21 mm or telecommunication cables.
Plastic electrical conduits d ≤ 16 mm.

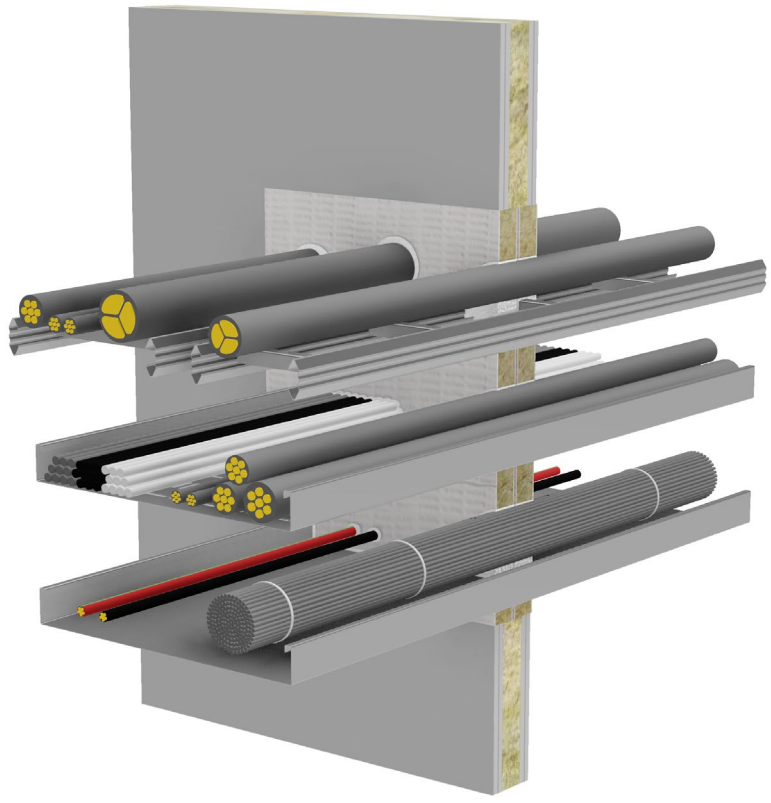
Figure 6

There is no requirement for spacing between cables, cables can lie right next to each other or in a bundle.
The horizontal distance between cable tray or cable ladder must be at least 5 mm and min. 100 mm vertically.
The horizontal distance between the installation and the edge of aperture must be at least 35 mm and at least 30 mm in the vertical direction.

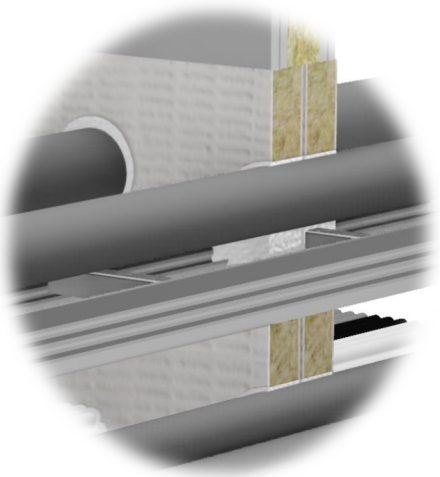
Installation of FIRESAFE FT Board

Cut FIRESAFE FT Board to size for a tight-fit positioning in the aperture with a knife or saw. Apply FIRESAFE FT Acrylic on all cross-cut edges of the FT Board with filling knife or similar tool before pressing the FT Board to a tight-fit positioning in the aperture.

FIRESAFE FT Board is applied flush with the wall on both sides. When FIRESAFE FT Board is installed in the aperture, seal openings between the FT Board and the construction with FIRESAFE FT Acrylic from both sides of the wall. Openings between cables and FIRESAFE FT Board are sealed with FIRESAFE FT Acrylic to a min. width of 5 mm through the entire thickness of the board.



Note: Openings between cables and FIRESAFE FT Board are sealed with FIRESAFE FT Acrylic to a min. width of 5 mm through the entire thickness of the board.



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FIRESAFE FT Board

Rigid floor ≥ 150 mm.				
Large cable penetrations	**Thickness of FIRESAFE FT Board 2S**	**Aperture dimension**	**Fire resistance class**	**See detail, fig.**
CABLE / TRAYS / LADDERS	2 x 50 mm	600 x 1200 mm	**EI 60**	**Figure 7**

Passing continuous cable tray and cable ladder.
All kinds and types of cable with all kinds of cable sheathing/insulation.
Large cables (D) d ≤ Ø80 mm.
Medium cables (C, E) d ≤ Ø 50 mm.
Small cables (A, B) d ≤ Ø 21 mm.
Cable bundle d ≤ Ø 100 mm with cables d ≤ Ø 21 mm.
Cable bundle d ≤ Ø 100 mm with telecommunication cables.
Plastic electrical conduits d ≤ 16 mm.

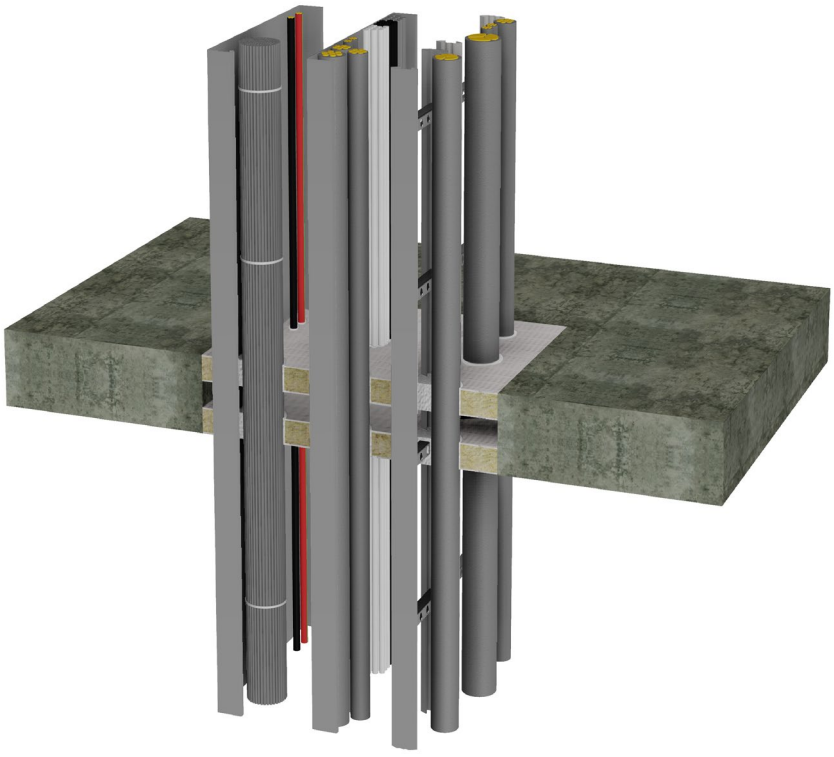
Figure 7

There is no requirement for spacing between cables, cables can lie right next to each other or in a bundle.
The horizontal distance between cable tray or cable ladder must be at least 5 mm and min. 100 mm vertically.
The horizontal distance between the installation and the edge of aperture must be at least 35 mm and at least 30 mm vertical direction.

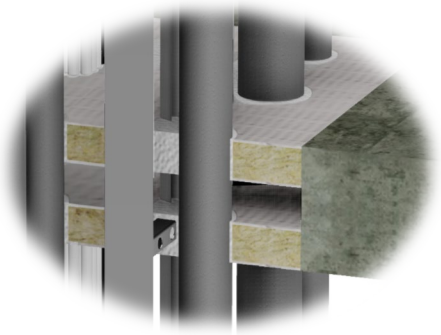
Installation of FIRESAFE FT Board

Cut FIRESAFE FT Board to size for a tight-fit positioning in the aperture with a knife or saw. Apply FIRESAFE FT Acrylic on all cross-cut edges of the FT Board with filling knife or similar tool before pressing the FT Board to a tight-fit positioning in the aperture.

FIRESAFE FT Board is applied flush with floor on both sides. When FIRESAFE FT Board is installed in the aperture, seal openings between the FT Board and the construction with FIRESAFE FT Acrylic from both sides of the Boards. Openings between cables and FIRESAFE FT Board are sealed with FIRESAFE FT Acrylic to a min. width of 5 mm through the entire thickness of the board.



Note: Openings between cables and FIRESAFE FT Board are sealed with FIRESAFE FT Acrylic to a min. width of 5 mm through the entire thickness of the board.



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FIRESAFE FT Board

Flexible and rigid wall ≥ 100 mm					
Air duct	**Type of duct cladding**	**Insulated duct length: FT Board length**	**Thickness of FIRESAFE FT Board 2S**	**Fire resistance class**	**See detail, fig.**
Air ducts ≤ 500 x 500 mm	Duct cladding with 1 x 50 mm FIRESAFE FT Board 2S	700 mm, LI	2 x 50 mm	**EI 60**	**Figure 8**

LI: Specified insulation locally with specified length from the wall on both sides but interrupted through the penetration. Duct cladding with FIRESAFE FT Board.
LI: Length 700 mm out from both sides of the wall. When attaching the FIRESAFE FT Board around the air duct, use the screws type FireScrew with length ≥ 90 mm.

FireScrew of zinc pre-coated steel

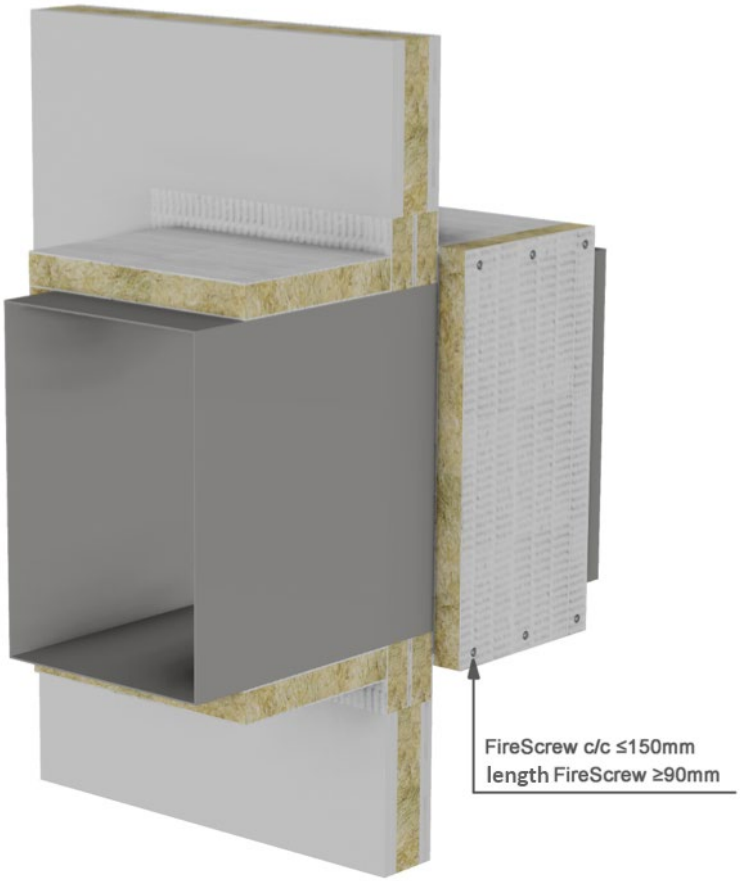


Figure 8

Installation of FIRESAFE FT Board

Cut FIRESAFE FT Board to size for a tight-fit positioning in the aperture with a knife or saw. Apply FIRESAFE FT Acrylic on all cross-cut edges of the FT Board with filling knife or similar tool before pressing the FT Board to a tight-fit positioning in the aperture.

FIRESAFE FT Board is applied flush with the wall on both sides. When FIRESAFE FT Board is installed in the aperture, seal openings between the FT Board and the construction with FIRESAFE FT Acrylic from both sides. Openings between FIRESAFE FT Board and air duct are sealed with FIRESAFE FT Acrylic to a min. width of 5 mm through the entire thickness of the board on both sides.



Note: The FireScrew is screwed into the adjacent boards in all corners. Distance between FireScrew c/c ≤ 150 mm.



FIRESAFE FT Board

Rigid floor ≥ 150 mm					
Air duct	**Type of duct cladding**	**Insulated duct length: FT Board length**	**Thickness of FIRESAFE FT Board 2S**	**Fire resistance class**	**See detail, fig.**
Air duct ≤ 1000 x 1000 mm	Duct cladding with 1 x 50 mm FIRESAFE FT Board 2S	700 mm, LI	2 x 50 mm or 1 x 60 mm	**EI 60**	**Figure 9**

LI: Specified insulation locally with specified length from the floor on both sides but interrupted through the penetration. Duct cladding with FIRESAFE FT Board.
LI: Length 700 mm out from both sides of the floor. When attaching the FIRESAFE FT Board around the air duct, use the screws type FireScrew with length ≥ 90 mm.

FireScrew of tempered steel

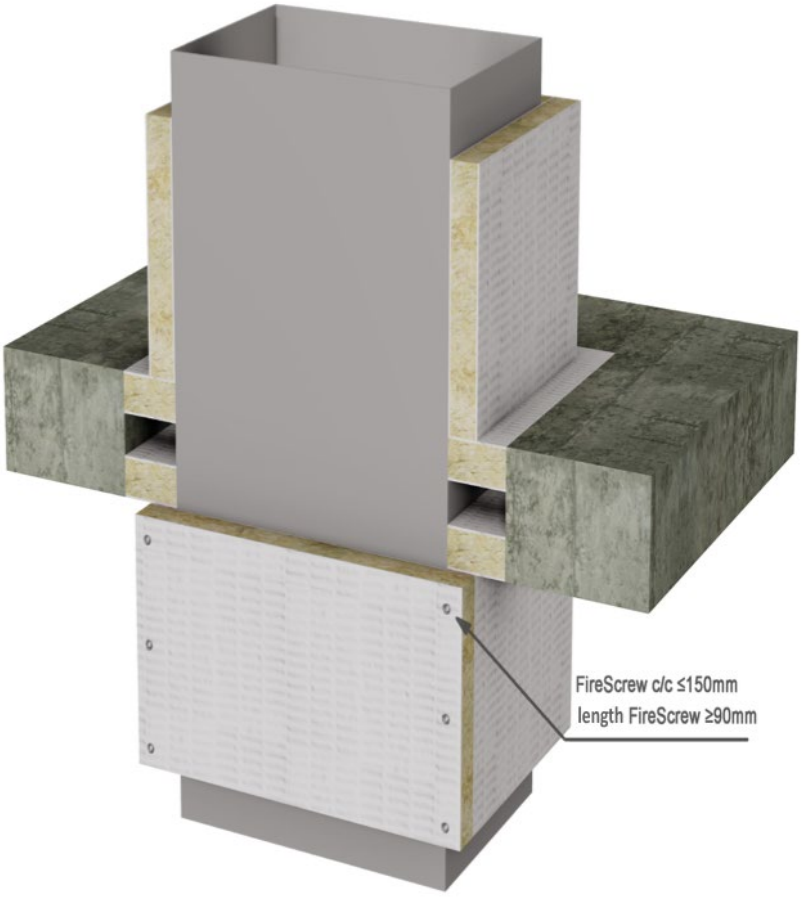


Figure 9

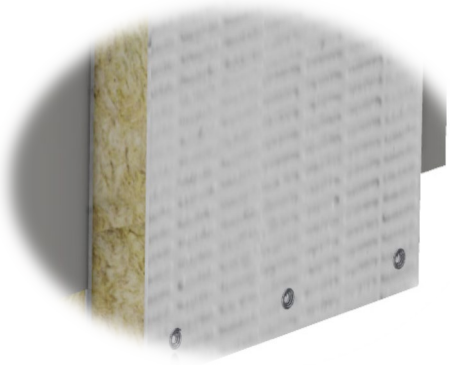
Installation of FIRESAFE FT Board

Cut FIRESAFE FT Board to size for a tight-fit positioning in the aperture with a knife or saw. Apply FIRESAFE FT Acrylic on all cross-cut edges of the FT Board with filling knife or similar tool before pressing the FT Board to a tight-fit positioning in the aperture.

FIRESAFE FT Board is applied flush with floor on both sides or in center of floor. When FIRESAFE FT Board is installed in the aperture, seal openings between the FT Board and the construction with FIRESAFE FT Acrylic from both sides. Openings between FIRESAFE FT Board and air duct are sealed with FIRESAFE FT Acrylic to a min. width of 5 mm through the entire thickness of the board.



Note: The FireScrew is screwed into the adjacent boards in all corners. Distance between FireScrew c/c ≤ 150 mm.



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FIRESAFE FT Board

Flexible and rigid wall ≥ 100 mm				
Fire damper	**Thickness of FT Board 2S**	**Aperture dimension**	**Fire resistance class**	**See detail, fig.**
Rectangular fire damper ≤ 600 x 300 (mm)	2 x 50 mm	900 x 596 mm	**EI 90**	**Figure 10**

Figure 10

Installation of FIRESAFE FT Board

Cut FIRESAFE FT Board to size for a tight-fit positioning in the aperture with a knife or saw. Apply FIRESAFE FT Acrylic on all cross-cut edges of the FT Board with filling knife or similar tool before pressing the FT Board to a tight-fit positioning in the aperture.

FIRESAFE FT Board is applied flush with the wall on both sides. When FIRESAFE FT Board is installed in the aperture, seal openings between the FT Board and the construction with FIRESAFE FT Acrylic from both sides. Openings between FIRESAFE FT Board and fire damper are sealed with FIRESAFE FT Acrylic to a min. width of 10 mm and 25mm depth on both sides.



Note: Openings between FIRESAFE FT Board and fire damper are sealed with FIRESAFE FT Acrylic to a min. width of 10 mm and 25mm depth on both sides.



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FIRESAFE FT Board

Flexible and rigid wall ≥ 100 mm					
Air duct with fire damper	**Type of duct cladding**	**Insulated duct length: FT Board length**	**Thickness of FIRESAFE FT Board 2S**	**Fire resistance class**	**See detail, fig.**
Fire damper ≤ 600 x 300 mm	Duct cladded with 1 x 50 mm FIRESAFE FT Board 2S	≤ 1000 mm	2 x 50 mm or 1 x 60 mm	**EI 60**	**Figure 11**

Air duct cladded with FIRESAFE FT Board from wall to fire damper on one side of the wall. The solution is used where the fire damper is installed flush with fire-resistant wall construction (fireproof construction). When attaching the FIRESAFE FT Board around the air duct, use the screws type FireScrew with length ≥ 90 mm. The FireScrew is screwed into the adjacent boards in all corners. Distance between FireScrew c/c ≤ 150 mm.

FireScrew of tempered steel



Figure 11

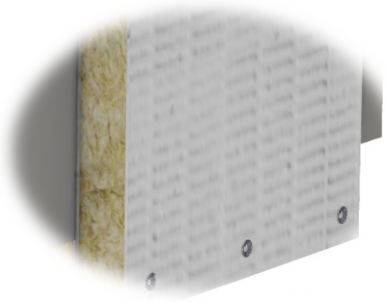
Installation of FIRESAFE FT Board

Cut FIRESAFE FT Board to size for a tight-fit positioning in the aperture with a knife or saw. Apply FIRESAFE FT Acrylic on all cross-cut edges of the FT Board with filling knife or similar tool before pressing the FT Board to a tight-fit positioning in the aperture.

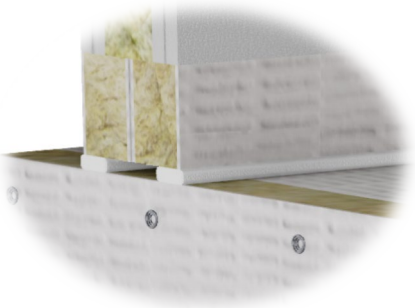
FIRESAFE FT Board is applied flush with the wall on both sides. When FIRESAFE FT Board is installed in the aperture, seal openings between the FT Board and the construction with FIRESAFE FT Acrylic from both sides. Openings between FIRESAFE FT Board and air duct are sealed with FIRESAFE FT Acrylic to a min. width of 10 mm and 25 mm depth on both sides.



Note: The FireScrew is screwed into the adjacent boards in all corners. Distance between FireScrew c/c ≤ 150 mm.



Note: Openings between FIRESAFE FT Board and air duct are sealed with FIRESAFE FT Acrylic to a min. width of 10 mm and 25 mm depth on both sides.



FIRESAFE

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FIRESAFE FT Board

Flexible and rigid wall ≥ 100 mm				
Pipe diameter (Ø)	**Thickness of FT Board 2S**	**Aperture dimension**	**Fire resistance class**	**See detail, fig.**
Plastic pipe type PE / PP / PVC ≤ Ø250 mm Pipe wall thickness (t): 6.2-22.7 mm U/C	2 x 50 mm	400 x 1375 mm	**EI 60**	**Figure 12**
Plastic pipe type PE ≤ Ø110 mm Pipe wall thickness (t): 3.4 mm U/C	2 x 50 mm	600 x 1200 mm	**EI 60**	
Plastic pipe type PVC ≤ Ø110 mm Pipe wall thickness (t): 3.2 mm U/C	2 x 50 mm	265 x 265 mm	**EI 60**	**Figure 13**

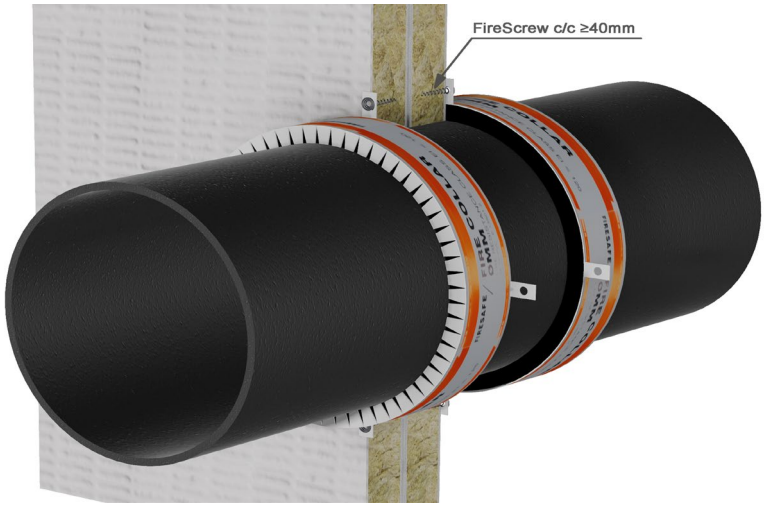
Figure 12
Openings between FIRESAFE FT Board and plastic pipes are sealed with FIRESAFE FT Acrylic to a min. width of 5 mm as a smoke seal on both sides of the wall. FIRESAFE FIRE COLLAR attaches to FT Board with 4 screws type FireScrew.

Figure 13
Openings between FIRESAFE FT Board and FIRESAFE FIRE COLLAR must be recessed in the FIRESAFE FT Board with FIRESAFE Acrylic, with min. 5mm as smoke seal on both sides. FIRESAFE FIRE COLLAR attaches to FT Board with 4 screws type FireScrew.

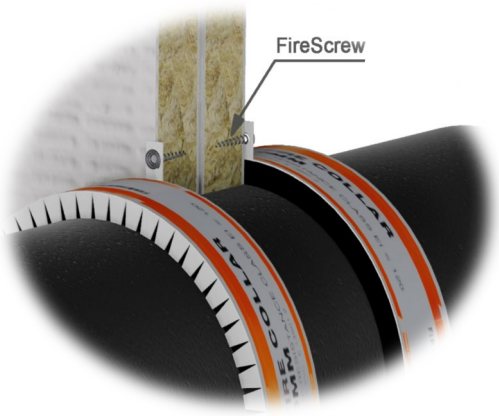
Installation of FIRESAFE FT Board

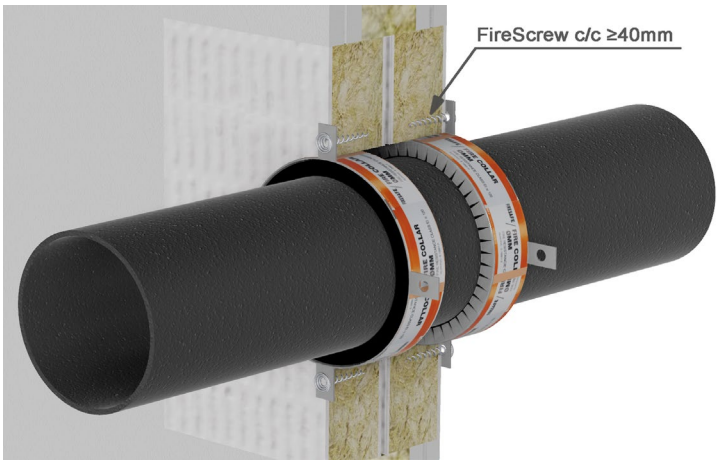
Cut FIRESAFE FT Board to size for a tight-fit positioning in the aperture with a knife or saw. Apply FIRESAFE FT Acrylic on all cross-cut edges of the FT Board with filling knife or similar tool before pressing the FT Board to a tight-fit positioning in the aperture.

FIRESAFE FT Board is applied flush with the wall on both sides. When FIRESAFE FT Board is installed in the aperture, seal openings between the FT Board and the construction with FIRESAFE FT Acrylic from both sides.

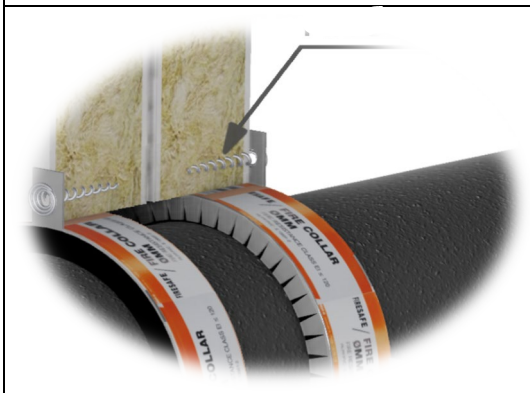


Note Figure 12: FIRESAFE FIRE COLLAR attaches to FT Board with 4 screws type FireScrew with length ≥ 40 mm.





Note Figure 13: The recessed Fire Collar attaches to FT Board with 4 screws type FireScrew with length ≥ 40 mm



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FIRESAFE FT Board

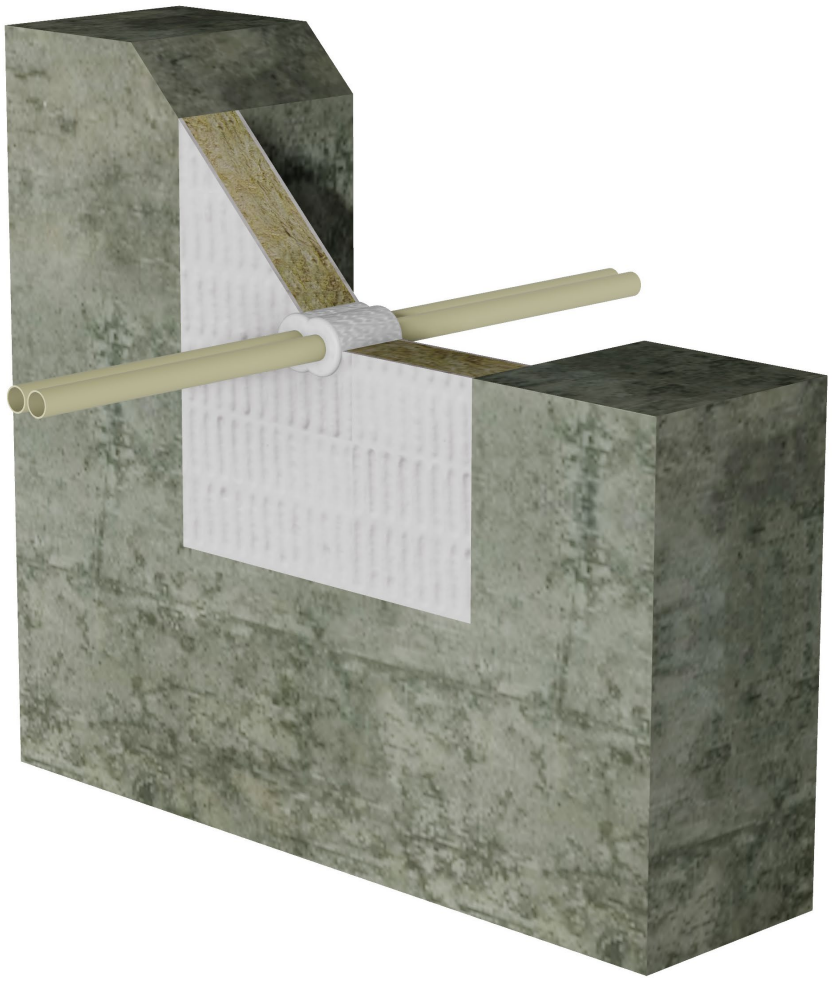
Rigid wall ≥ 150 mm				
Pipe diameter (Ø)	**Thickness of FT Board 2S**	**Aperture dimension**	**Fire resistance class**	**See detail, fig.**
Plastic electrical conduits PVC 2 x Ø16 mm Pipe wall thickness (t): 1.0 mm C/C	1 x 50 mm	450 x 200 mm	**EI 120**	**Figure 14**

Figure 14

Installation of FIRESAFE FT Board

Cut FIRESAFE FT Board to size for a tight-fit positioning in the aperture with a knife or saw. Apply FIRESAFE FT Acrylic on all cross-cut edges of the FT Board with filling knife or similar tool before pressing the FT Board to a tight-fit positioning in the aperture.

FIRESAFE FT Board is applied flush with the wall on one side. When FIRESAFE FT Board is installed in the aperture, seal openings between the FT Board and the construction with FIRESAFE FT Acrylic from both sides of the board. Openings between FIRESAFE FT Board and electrical conduits are sealed with FIRESAFE FT Acrylic to a min. width of 10 mm through the entire thickness of the board.



Electrical plastic pipes can be installed at any angle between 90 ° and 45 ° relative to the wall.

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FIRESAFE FT Board

Rigid floor ≥ 150 mm				
Pipe diameter (Ø) (mm)	**Thickness of FT Board 2S**	**Aperture dimension**	**Fire resistance class**	**See detail, fig.**
Plastic pipe type PVC ≤ Ø110 mm Pipe wall thickness (t): 3.2 mm U/C	1 x 50 mm	400 x 400 mm	**EI 90**	**Figure 15**

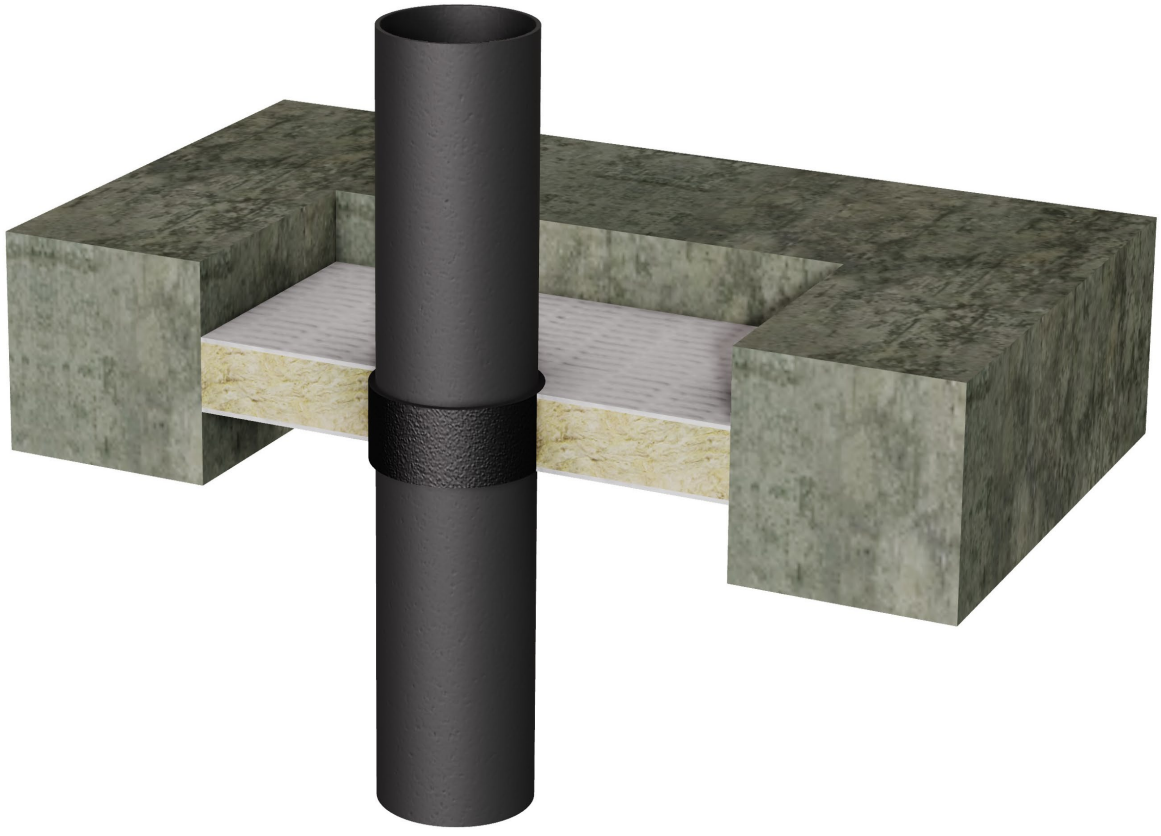
Figure 15

Installation of FIRESAFE FT Board

Cut FIRESAFE FT Board to size for a tight-fit positioning in the aperture with a knife or saw. Apply FIRESAFE FT Acrylic on all cross-cut edges of the FT Board with filling knife or similar tool before pressing the FT Board to a tight-fit positioning in the aperture.

FIRESAFE FT Board is applied flush with floor on one side.

Note: 2 layers of FIRESAFE FIRE WRAP is installed on the plastic pipe ≤ Ø110. Openings between FIRESAFE FIRE WRAP and FIRESAFE FT Board are sealed with FIRESAFE FT Acrylic or FIRESAFE FT Graphite.



Plastic pipe can be installed at any angle between 90 ° and 45 ° relative to the floor.

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FIRESAFE FT Board

Flexible and rigid wall ≥ 100 mm				
Pipe diameter (Ø)	**Thickness of FT Board 2S**	**Aperture dimension**	**Fire resistance class**	**See detail, fig.**
Copper and steel pipes ≤ Ø 22 mm. Pipe wall thickness (t): 1.1 mm C/U Insulated with 13 mm Armaflex AF or equivalent. **LS**	2 x 50 mm	600 x 1200 mm	**EI 60**	**Figure 16**
Steel pipe ≤ Ø 101 mm. Pipe wall thickness (t): 3.6 mm C/U Insulated with 13 mm Armaflex AF or equivalent. **LS**	2 x 50 mm	600 x 1200 mm	**EI 60**	**Figure 17**
Steel pipe ≤ Ø 219 mm. Pipe wall thickness (t): 4.5 ≤ 14.2 mm C/U Insulated with 25 mm Armaflex AF or equivalent. **LS**	2 x 50 mm	600 x 1200 mm	**EI 60**	

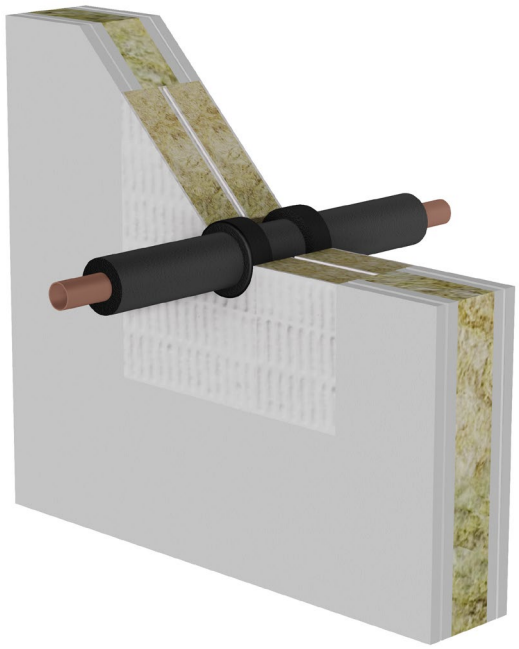
Figure 16 | **Figure 17**

Installation of FIRESAFE FT Board

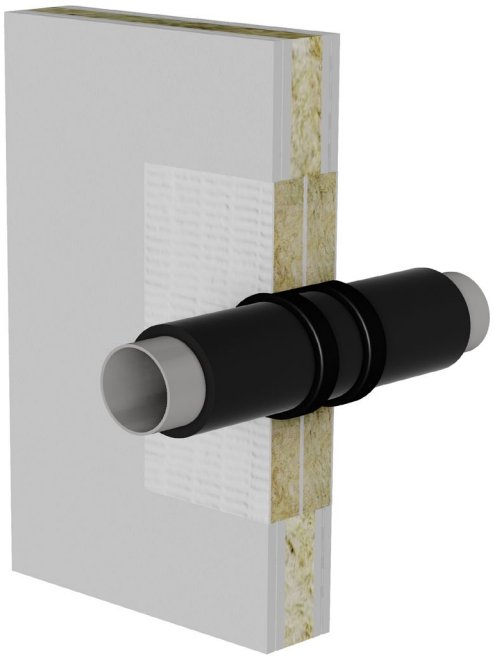
Cut FIRESAFE FT Board to size for a tight-fit positioning in the aperture with a knife or saw Apply FIRESAFE FT Acrylic on all cross-cut edges of the FT Board with filling knife or similar tool before pressing the FT Board to a tight-fit positioning in the aperture.

FIRESAFE FT Board is applied flush with wall on both sides.

Note: Openings between FIRESAFE FT Board and pipe insulation are sealed with FIRESAFE FT Graphite to a min. width of 10 mm and 25 mm depth on both sides of the wall.



LS: The pipe must have an insulation type Armaflex, with a length of 300 mm out from the wall on both sides and through the penetration. Other similar cellular rubbers can be used if fire class Euroclass B/ BL, s3-d0.
Explanations of abbreviations for pipe insulation (ref. 1366-3: 2009, Tab.1):
LS: Length out from the wall on both sides and through the penetration.
LS: Length of pipe insulation can be increased but not reduced.



LS: The pipe must have an insulation type Armaflex, with a length of 450 mm out from the wall on both sides and through the penetration. Other similar cellular rubbers can be used if fire class Euroclass B/ BL, s3-d0.
Explanations of abbreviations for pipe insulation (ref. 1366-3: 2009, Tab.1):
LS: Length out from the wall on both sides and through the penetration.
LS: Length of pipe insulation can be increased but not reduced.

Pipes can be installed at any angle between 90 ° and 45 ° to the wall.

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FIRESAFE FT Board

Rigid wall ≥ 150 m.				
Pipe diameter (Ø)	**Thickness of FT Board 2 S**	**Aperture dimension**	**Fire resistance**	**See detail, fig.**
Copper and steel pipes ≤ Ø22mm. Pipe wall thickness (t): 1.1 mm C/U Insulated with 13 mm Armaflex AF or equivalent. **LS**	2 x 50 mm	1000 x 1200 mm	**EI 90**	**Figure 18**
Copper and steel pipes ≤ Ø54 mm Pipe wall thickness (t): 2.0 mm C/C Insulated with 30 mm mineral wool, density 100-125 kg/m^3. **LI**	2 x 50 mm	200 x 200 mm	**EI 120**	**Figure 19**

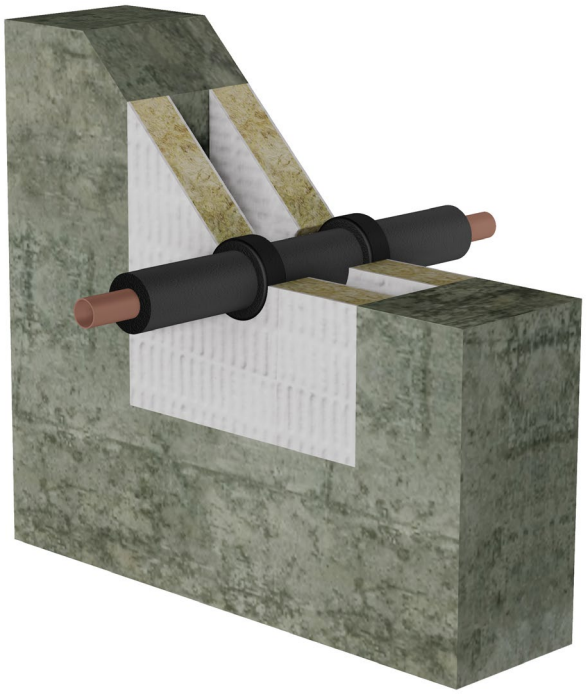
Figure 18
Openings between FIRESAFE FT Board and pipe insulation are sealed with FIRESAFE FT Graphite to a min. width of 10 mm and 25 mm depth on both sides of the wall.

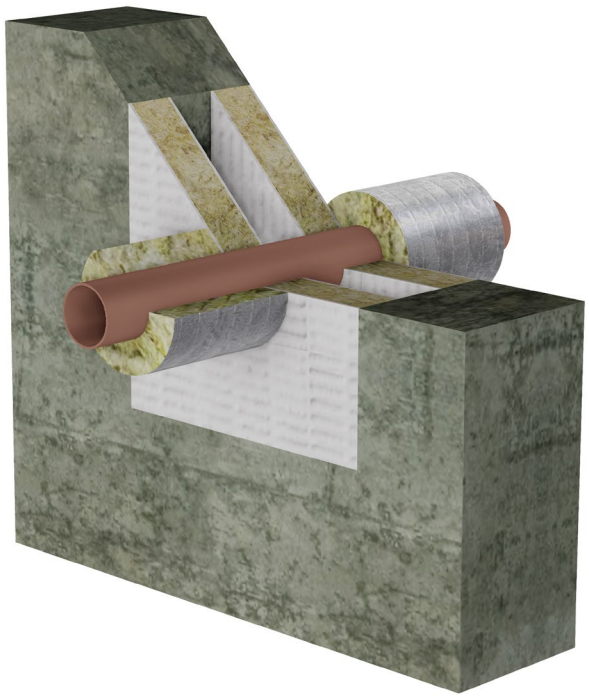
Figure 19
Openings between FIRESAFE FT Board and pipe insulation are sealed with FIRESAFE FT Acrylic to a min. width of 10 mm through the entire thickness of the board on both sides of the wall.

Installation of FIRESAFE FT Board

Cut FIRESAFE FT Board to size for a tight-fit positioning in the aperture with a knife or saw. Apply FIRESAFE FT Acrylic on all cross-cut edges of the FT Board with filling knife or similar tool before pressing the FT Board to a tight-fit positioning in the aperture.

FIRESAFE FT Board is applied flush with wall on both sides.





LS: The pipe must have an insulation type Armaflex, with a length of 275 mm out from the wall on both sides and through the penetration. Other similar cellular rubbers can be used if fire class Euroclass B/BL, s3-d0.
Explanations of abbreviations for pipe insulation (ref. 1366-3: 2009, Tab.1):
LS: Length out from the wall on both sides and through the penetration.
LS: Length of pipe insulation can be increased but not reduced.

LI: The pipe must have stone wool insulation, with a length of 175 mm from the wall on both sides on both sides of the wall but interrupted through the penetration.
Explanations of abbreviations for pipe insulation (ref. 1366-3: 2009, Tab.1):
LI: Thickness and density pipe insulation can be increased but not reduced.
LI: Length of pipe insulation can be increased but not reduced.

Pipes can be installed at any angle between 90 ° and 45 ° to the wall.

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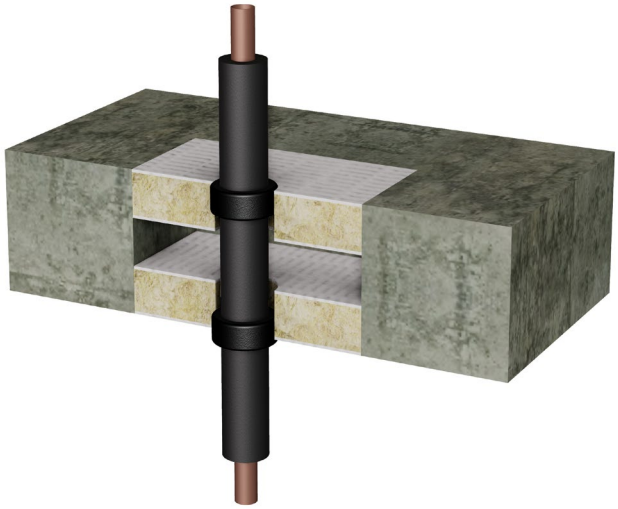
FIRESAFE FT Board

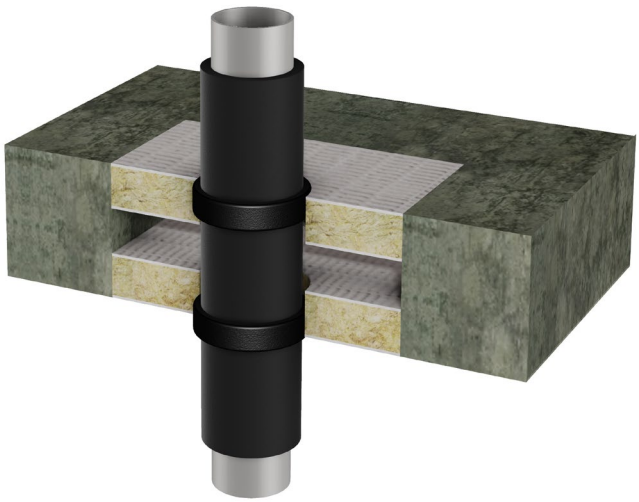
Rigid Floors ≥ 150 mm				
Pipe diameter (Ø)	**Thickness of FT Board 2S**	**Aperture dimension**	**Fire resistance class**	**See detail, fig.**
Copper and steel pipes ≤ Ø22mm. Pipe wall thickness (t): 1.1 mm C / U Insulated with 13mm Armaflex AF or equivalent. **LS**	2 x 50 mm	1000 x 1200 mm	**EI 90**	**Figure 20**
Copper and steel pipes ≤ Ø101 mm Pipe wall thickness (t): 3.6 mm C/U Insulated with 13mm Armaflex AF or equivalent. **LS**	2 x 50 mm	100 x 1000 mm	**EI 90**	**Figure 21**

Figure 20
Openings between FIRESAFE FT Board and pipe insulation are sealed with FIRESAFE FT Graphite, sealant width 10 mm and 25 mm depth on both sides.

Figure 21
Openings between FIRESAFE FT Board and pipe are sealed with FIRESAFE FT Graphite, sealant width 10 mm and 25 mm depth on both sides.

Installation of FIRESAFE FT Board
Accurately measure the FIRESAFE FT Board to fit the opening before cutting with a knife or saw. Apply 'butter' FIRESAFE Acrylic on all edges of the board with a steel trowel or similar tool before pressing the FT Board into the opening. FIRESAFE FT Board is installed and aligned with floor on both sides.





LS: The pipe must have an insulation type Armaflex, with a length of 275 mm out from the floor on both sides and through the penetration. Other similar cellular rubbers can be used if fire class Euroclass B/ BL, s3-d0.
Explanations of abbreviations for pipe insulation (ref. 1366-3: 2009, Tab.1):
LS: Length out from the wall on both sides and through the penetration.
LS: Length of pipe insulation can be increased but not reduced.

LS: The pipe must have an insulation type Armaflex, with a length of 425 mm out from the floor on both sides and through the penetration. Other similar cellular rubbers can be used if fire class Euroclass B/ BL, s3-d0.
Explanations of abbreviations for pipe insulation (ref. 1366-3: 2009, Tab.1):
LS: Length out from the wall on both sides and through the penetration.
LS: Length of pipe insulation can be increased but not reduced.

Pipes can be installed at any angle between 90 ° and 45 ° to the floor.

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