

FIRESAFE Fire Wrap



PRODUCT DESCRIPTION

FIRESAFE Fire Wrap is a flexible band / strip for quick and easy installation in wall and floor constructions.

FIRESAFE Fire Wrap contains heat reactive components; the graphite material in FIRESAFE Fire Wrap expands at a temperature of 180 °C, to 18 times the original volume.

FIRESAFE Fire Wrap is used for fire protection of plastic pipes, aluminum pipes and metal pipes in walls and floors, to ensure a good fire resistance throughout the fire protection construction.

FIRESAFE Fire Wrap comes in 18m roll (Fire Wrap on Roll).

Or single fire wrap pre-cut to exact pipe diameter.

FIRESAFE Fire wrap on roll is cut easily with scissors or knives to fit the correct pipe size.

FIRESAFE Fire Wrap can be installed in small openings as a single fire seal in walls and floors combined with FIRESAFE FT Acrylic, or installed in large openings combined with FIRESAFE FT Board or FIRESAFE GPG MORTAR.

Additional product / combination product is selected according to the type of installation as shown in the installation instructions.

ARTICLE / PRODUCT NAME / SIZE

104021: FIRESAFE Fire Wrap on roll 18 m , packed in cardboard carton.

CERTIFICATION / FIRE RESISTANCE

- FIRESAFE Fire Wrap has been tested according to NS -EN 1366-3 (2009) and EN 13501-1/2.
- Certified according to ETA-15/0339.
- Fire resistance EI 30 to EI 180 with extensive applications for walls and floors.
- Fire-classified walls according to EN 1363-1: Wall of gypsum board and aerated block work construction (density 600 - 650 kg/m³) ≥ 100 mm.
- Fire classified floors according to EN 1363-1: Floors of rigid construction ≥ 150 mm. Density 600 - 650 kg/m³.
- Multiple implementations shall not exceed more than 60% of the area in the cutout.
- For further details, see Performance Statement / DoP at www.firesafe.no.
- Pipes isolated with cellular rubber must be with cellular rubber type Armaflex or equivalent in fire class - Euroclas B/ BL, s3-d0.
- For other technical information of FIRESAFE Fire Wrap see Product Data Sheet / TDS.

INSTALLATION

- Clean the pipe for grease and moisture. Remove any debris and dust in the opening.
- For uneven surfaces in cutouts and small holes, first use FIRESAFE TF Acrylic to enhance the effectiveness of smoke and fire seal.
- Always install FIRESAFE Fire Wrap on two sides of the wall and on one side of the lower edge of the concrete floor slab.
- FIRESAFE Fire Wrap must be installed tight to the pipe, attach FIRESAFE Fire Wrap around the pipe with tape to hold it in place.
- FIRESAFE Fire Wrap on roll is cut in the correct size for the number of required layers according to pipe size.
- Openings less than 15 mm between construction and FIRESAFE Fire Wrap, must be sealed with FIRESAFE FT Acrylic.
- Openings larger than 15 mm between the structure and FIRESAFE Fire Wrap, must be sealed with FIRESAFE FT Board or FIRESAFE GPG MORTAR.

OVERVIEW OF TYPE OF IMPLEMENTATION AND FIRE RESISTANCE CLASS			
Rigid floor ≥ 150 mm. Single pipe of plastic type PE-PP-PVC ≤ Ø 160 mm (Core drilled holes)	EI 180	page 2	Detail, fig 1
Flexible and rigid wall ≥ 100 mm. Plastic pipes of type PE- PP-PVC ≤ Ø 110 mm (Core drilled holes)	EI 120	page 3	Detail, fig 2
Flexible and rigid wall ≥ 100 mm. Plastic pipes of type PVC: Ø 125 mm (Core drilled holes)	EI 60	page 4	Detail, fig 3
Rigid floor ≥ 150 mm. Single Plastic pipes PE- PP- PVC ≤ Ø 110 mm (Recessed in FIRESAFE FT Board)	EI 60	page 5	Detail, fig 4
Rigid floor ≥ 150 mm. Single Plastic pipes of type PVC ≤ Ø 110 mm (Recessed in FIRESAFE FT Board)	EI 90	page 6	Detail, fig 5
Flexible and rigid wall ≥ 100 mm. Plastic pipes of PE- PP-PVC ≤ Ø 110 mm (Recessed in FIRESAFE FT Board)	EI 60	page 7	Detail, fig 6
Flexible and rigid wall ≥ 100 mm. Insulated aluminum pipes Alu-PEX ≤ Ø 75 mm (Recessed in FIRESAFE FT Board)	EI 60	page 8	Detail, fig 7
Rigid wall ≥ 100 mm. Insulated aluminum pipes Alu-PEX ≤ Ø 75 mm (Recessed in FIRESAFE GPG)	EI 90	page 9	Detail, fig 8
Rigid wall ≥ 100 mm. Plastic pipes of type PE- PP-PVC ≤ Ø 90 mm (Recessed in FIRESAFE GPG)	EI 120	Page10	Detail, fig 9

FIRESAFE

All information given in this data sheet, should be viewed as normative values obtained from tests and our collective knowledge and experience of the product. This information must not be used as the basis of or verification for other tests or systems. Firesafe AS takes no responsibility for other uses or incorrect uses of the product. The user is responsible for ensuring that the most recent version of this document is used. This can be checked on our website, www.firesafe.no. This document may not be copied without the written consent of Firesafe AS.

Firesafe AS, Røbsrudskogen 15, PO Box 6411 Etterstad, NO-0605 Oslo, Norway
 Telephone: +47 09 110. E-mail: firmapost@firesafe.no

FIRESAFE Fire Wrap

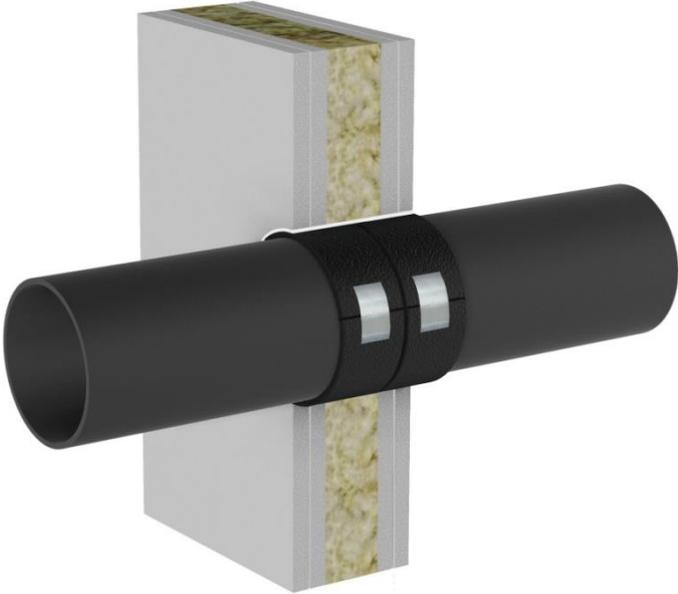
Table 1: Rigid floor ≥ 150				
FIRESAFE Fire wrap on roll, adapted for plastic pipe type PE PP PVC ≤ Ø 160 mm, pipe wall thickness: ≥ 2.7 ≤ 14.6 mm. U/C. (Core drilled holes)				
Pipe diameter Ø (mm):	No. Layers Fire Wrap per size pipe:	Cut Length Fire Wrap (mm):	Fire resistance class:	Installation see detail, figure:
40	2	252	EI 180	1
50	2	314	EI 180	1
63	2	396	EI 180	1
75	2	471	EI 180	1
80	2	503	EI 180	1
90	2	566	EI 180	1
110	2	691	EI 180	1
125	3	1178	EI 180	1
140	3	1319	EI 180	1
160	3	1508	EI 180	1

Installation	Detail, figure 1
	<p>Installation in core drilled holes with FIRESAFE FT Acrylic.</p> <p>Clean the pipe for grease and moisture. Remove any debris and dust in the opening.</p> <p>In case of uneven surfaces in the opening of the concrete slab, firstly apply FIRESAFE FT Acrylic inside the opening to improve the efficiency of the smoke and fire sealing.</p> <p>FIRESAFE Four Wrap On Roll must be cut to the required length for the required amount of layers according to pipe sizes.</p> <p>Install FIRESAFE Fire Wrap tightly around the pipe, fastening Fire Wrap around the pipe with tape to keep Fire Wrap in place.</p> <p>Apply FIRESAFE FT Acrylic as smoke and fire seal between FIRESAFE Fire Wrap and concrete floor slab.</p> <p>If the opening between FIRESAFE Fire Wrap and concrete floor slab is > 15 mm, use FIRESAFE FT Board or FIRESAFE GPG MORTAR in 100 mm thickness.</p> <p>* FIRESAFE Fire Wrap must always be installed accurately, in flush with lower edge of floor slab. Fire Wrap must be visible for inspection after completion of installation.</p>

U/C: Unventilated pipe systems e.g. cold or hot water pipes.
 Plastic pipes can be at all angles between 90 ° and 45 ° relative to the floor slab.

FIRESAFE Fire Wrap

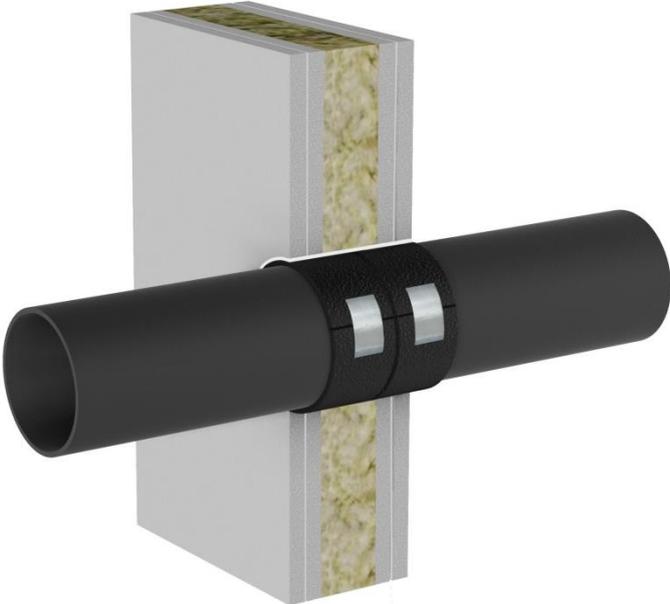
Table 2: Flexible and rigid wall ≥ 100				
FIRESAFE Fire Wrap on roll, adapted for plastic pipe type PE PP PVC $\leq \varnothing 110$ mm, pipe wall thickness: $\geq 2.7 \leq 10$ mm. U/C. (Core drilled holes)				
Pipe diameter \varnothing (mm):	No. Layers Fire Wrap per size pipe:	Cut Length Fire Wrap (mm):	Fire resistance class:	Installation see detail, figure:
40	2	252	EI 120	2
50	2	314	EI 120	2
63	2	396	EI 120	2
75	2	471	EI 120	2
80	2	503	EI 120	2
90	2	566	EI 120	2
110	2	691	EI 120	2

Installation	Detail, figure 2
	<p>Installation in core drilled holes with FIRESAFE FT Acrylic</p> <p>Clean pipes to remove grease and moisture, debris and dust in the opening.</p> <p>In case of uneven surfaces in the opening on gypsum or concrete the wall, firstly apply FIRESAFE FT Acrylic inside the opening to improve the efficiency of smoke and fire seal.</p> <p>FIRESAFE Four Wrap On Roll must be cut to the required length for the required amount of layers according to pipe sizes.</p> <p>Install FIRESAFE Fire Wrap tightly around the pipe, fastening Fire Wrap around the pipe with tape to keep Fire Wrap in place.</p> <p>Apply FIRESAFE FT Acrylic as smoke and fire seal between FIRESAFE Fire Wrap and the wall.</p> <p>If the opening between FIRESAFE Fire Wrap and wall construction is > 15 mm, use FIRESAFE FT Board or FIRESAFE GPG MORTAR in 100 mm thickness.</p> <p>* FIRESAFE Fire Wrap must always be installed accurately, in flush with the wall on both sides. Fire Wrap must be visible for inspection after completion of installation.</p>

U/C: Unventilated pipe systems e.g. cold or hot water pipes.
 Plastic pipes can be at all angles between 90 ° and 45 ° relative to the wall.

FIRESAFE Fire Wrap

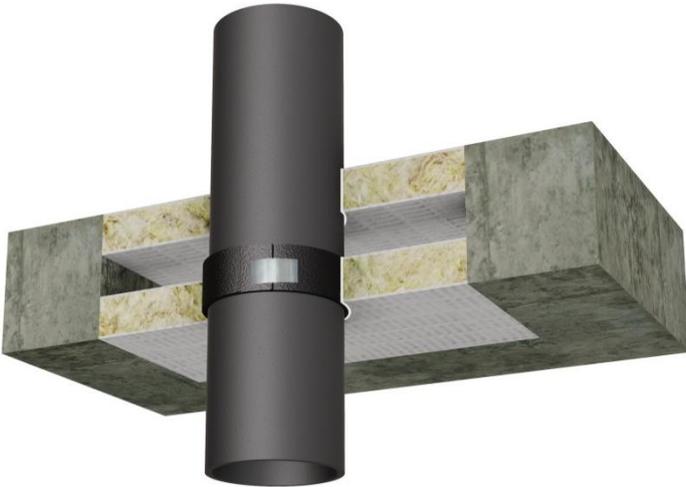
Table 3: Flexible and rigid wall ≥ 100				
FIRESAFE Fire Wrap on roll, adapted for plastic pipe type PE PP PVC $\leq \varnothing 125$ mm, pipe wall thickness: $\geq 3.1 \leq 11,7$ mm. U/C. (Core drilled holes)				
Pipe diameter \varnothing (mm):	No. Layers Fire Wrap per size pipe:	Cut Length Fire Wrap (mm):	Fire resistance class:	Installation see detail, figure:
125	2	785	EI 60	3

Installation	Detail, figure 3
	<p>Installation in core drilled holes with FIRESAFE FT Acrylic</p> <p>Clean pipes to remove grease and moisture, debris and dust in the opening.</p> <p>In case of uneven surfaces in the opening of the concrete, first apply FIRESAFE FT Acrylic inside the opening to improve the efficiency of smoke and fire sealing.</p> <p>FIRESAFE Four Wrap On Roll must be cut to the required length for the required amount of layers according to pipe sizes.</p> <p>Install FIRESAFE Fire Wrap tightly around the pipe, fastening Fire Wrap around the pipe with tape to keep Fire Wrap in place.</p> <p>Apply FIRESAFE FT Acrylic as smoke and fire seal between FIRESAFE Fire Wrap and the wall.</p> <p>If the opening between FIRESAFE Fire Wrap and wall construction is > 15 mm, use FIRESAFE FT Board or FIRESAFE GPG MORTAR in 100 mm thickness.</p> <p>* FIRESAFE Fire Wrap must always be installed accurately, in flush with the wall on both sides. Fire Wrap must be visible for inspection after completion of installation.</p>

U/C: Unventilated pipe systems e.g. cold or hot water pipes.
 Plastic pipes can be at all angles between 90 ° and 45 ° relative to the wall.

FIRESAFE Fire Wrap

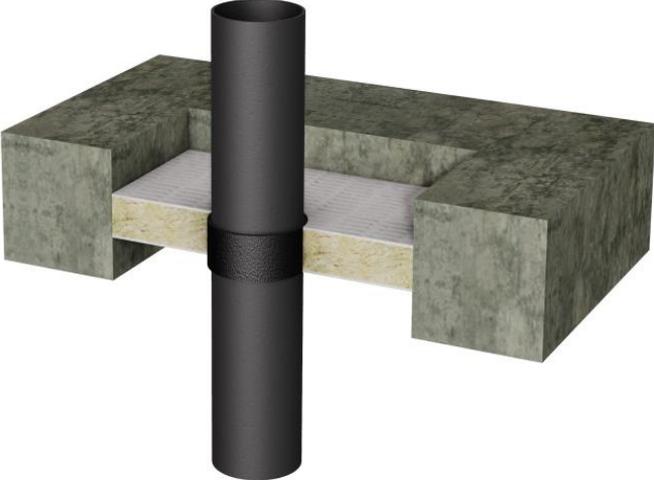
Table 4: Rigid floor ≥ 150					
FIRESAFE Fire Wrap roll, adapted for plastic pipe type PE PP PVC ≤ Ø 110 mm, pipe wall thickness: ≥ 2,7 ≤ 10 mm. U/C. (Core drilled holes)					
Pipe diameter Ø (mm):	No. Layers Fire Wrap:	Cut Length Fire Wrap (mm):	Thickness FIRESAFE FT Board 2 S (mm):	Fire resistance class:	Installation see detail, figure:
40	2	252	2 x 50	EI 60	4
50	2	314	2 x 50	EI 60	4
63	2	396	2 x 50	EI 60	4
75	2	471	2 x 50	EI 60	4
80	2	503	2 x 50	EI 60	4
90	2	566	2 x 50	EI 60	4
110	2	691	2 x 50	EI 60	4

Installation	Detail, figure 4
	<p>Installation of FIRESAFE FT Board</p> <p>Cutout size concrete slab ≤ 600 x 5000 (mm)</p> <p>Customize the FIRESAFE FT Board exactly for the cutout with a knife or saw.</p> <p>Apply FIRESAFE FT Acrylic on all ends of the board with steel spackle before pressing the board into the cutout.</p> <p>The FIRESAFE FT board should be installed flush with top and bottom concrete floor on both sides.</p> <p>When FIRESAFE FT Board is installed in a cutout, all openings must be sealed between the FIRESAFE FT Board and the concrete structure with FIRESAFE FT Acrylic on both sides.</p> <p>Installation of FIRESAFE Fire Wrap in FT Board</p> <p>Clean pipes to remove grease and moisture, debris and dust from the opening.</p> <p>FIRESAFE Fire Wrap On Roll must be cut to the required length for the required amount of layers according to pipe size.</p> <p>Install FIRESAFE Fire Wrap tightly around the pipe, fastening Fire Wrap around the pipe with tape to keep Fire Wrap in place.</p> <p>FIRESAFE Fire Wrap must be installed recessed in FIRESAFE FT Board, flush underside of the concrete floor slab.</p> <p>Clearance between FIRESAFE Fire Wrap and FIRESAFE FT Board must be sealed with a minimum of 5 mm in width with FIRESAFE FT Acrylic.</p> <p>* FIRESAFE Fire Wrap should always be installed exactly flush with FIRESAFE FT Board under concrete slabs, FIRESAFE Fire Wrap must be visible for inspection after finished installation.</p>

U/C: Unventilated pipe systems e.g. cold or hot water pipes.
 Plastic pipes can be at all angles between 90 ° and 45 ° relative to the floor slab.

FIRESAFE Fire Wrap

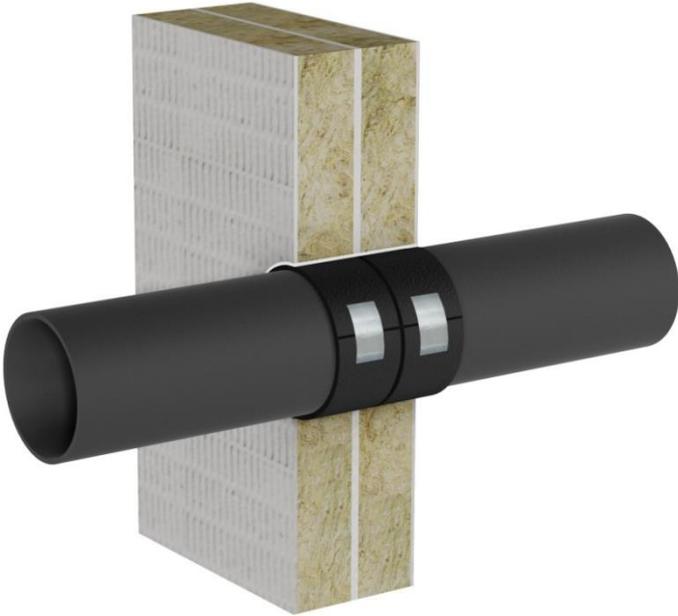
Table 5: Rigid floor \geq 150.					
FIRESAFE Fire Wrap on roll, adapted for plastic pipe type PVC, pipe wall thickness: 3,2 mm. U/C. (Recessed in FIRESAFE FT Board)					
Pipe diameter \varnothing (mm):	No. Layers Fire Wrap:	Cut Length Fire Wrap (mm):	Thickness FIRESAFE FT Board 2 S (mm):	Installation see detail, figure:	Pipe diameter \varnothing (mm):
40	2	252	1 x 50	EI 90	5
50	2	314	1 x 50	EI 90	5
63	2	396	1 x 50	EI 90	5
75	2	471	1 x 50	EI 90	5
80	2	503	1 x 50	EI 90	5
90	2	566	1 x 50	EI 90	5
110	2	691	1 x 50	EI 90	5

Installation	Detail, figure 5
	<p>Installation of FIRESAFE FT Board</p> <p>Cutout size in concrete slab \leq 400 x 400 (mm)</p> <p>Customize the FIRESAFE FT Board exactly for the cutout with a knife or saw.</p> <p>Apply FIRESAFE FT Acrylic on all ends of the board with steel spackle before pressing the board into the cutout.</p> <p>The FIRESAFE FT board should be installed flush with top or in the middle of floor slab.</p> <p>When FIRESAFE FT Board is installed in the cutout, all openings must be sealed between the FIRESAFE FT Board and the concrete structure with FIRESAFE FT Acrylic on both sides.</p> <p>Installation of FIRESAFE Fire Wrap in FT Board</p> <p>Clean pipes to remove grease and moisture, debris and dust in the opening.</p> <p>FIRESAFE Four Wrap On Roll must be cut to the required length for the required amount of layers according to pipe size.</p> <p>Install FIRESAFE Fire Wrap tightly around the pipe, fastening Fire Wrap around the pipe with tape to keep Fire Wrap in place.</p> <p>FIRESAFE Fire Wrap to must installed recessed in FIRESAFE FT Board, flush underneath concrete floor slab.</p> <p>Clearance between FIRESAFE Fire Wrap and FIRESAFE FT Board must be sealed with a minimum of 5 mm in width with FIRESAFE FT Acrylic.</p> <p>* FIRESAFE Fire Wrap should always be installed exactly flush with underside of the FIRESAFE FT Board, FIRESAFE Fire Wrap must be visible for inspection after finished installation.</p>

U/C: Unventilated pipe systems e.g. cold or hot water pipes.
 Plastic pipes can be at all angles between 90 ° and 45 ° relative to the floor slab.

FIRESAFE Fire Wrap

Table 6: Rigid and flexible wall 100					
FIRESAFE Fire Wrap on roll, adapted for plastic pipe type PE PP PVC $\leq \varnothing$ 110 mm, pipe wall thickness: $\geq 2,7 \leq 10$ mm. U/C. (Core drilled holes)					
Pipe diameter \varnothing (mm):	No. Layers Fire Wrap:	Cut Length Fire Wrap (mm):	Thickness FIRESAFE FT Board 2 S (mm):	Fire resistance class:	Installation see detail, figure:
40	2	252	2 x 50	EI 60	6
50	2	314	2 x 50	EI 60	6
63	2	396	2 x 50	EI 60	6
75	2	471	2 x 50	EI 60	6
80	2	503	2 x 50	EI 60	6
90	2	566	2 x 50	EI 60	6
110	2	691	2 x 50	EI 60	6

Installation	Detail, figure 6
	<p>Installation of FIRESAFE FT Board</p> <p>Cutout size in wall $\leq 600 \times 1200$ (mm)</p> <p>Customize the FIRESAFE FT Board exactly for the cutout with a knife or saw.</p> <p>Apply FIRESAFE FT Acrylic on all ends of the board with steel spackle before pressing the board into the cutout.</p> <p>The FIRESAFE FT board should be installed flush with both sides of the wall.</p> <p>When FIRESAFE FT Board is installed in the cutout, all openings must be sealed between the FIRESAFE FT Board and the concrete structure with FIRESAFE FT Acrylic on both sides.</p> <p>Installation of FIRESAFE Fire Wrap in FT Board</p> <p>Clean pipes to remove grease and moisture, debris and dust in the opening.</p> <p>FIRESAFE Fire Wrap On Roll must be cut according to length for the required amount of layers according to pipe size.</p> <p>Install FIRESAFE Fire Wrap tightly around the pipe, fastening Fire Wrap around the pipe with tape to keep Fire Wrap in place.</p> <p>FIRESAFE Fire Wrap must be installed recessed in FIRESAFE FT Board on both sides of the wall. Clearance between FIRESAFE Fire Wrap and FIRESAFE FT Board must be sealed with FIRESAFE FT Acrylic.</p> <p>* FIRESAFE Fire Wrap should always be installed exactly flush with FIRESAFE FT Board on both sides, FIRESAFE Fire Wrap must be visible for inspection after finished installation.</p>

U/C: Unventilated pipe systems e.g. cold or hot water pipes.
 Plastic pipes can be at all angles between 90 ° and 45 ° relative to the wall.

FIRESAFE Fire Wrap

Table 7: Rigid and flexible wall ≥ 100					
FIRESAFE Fire Wrap on roll, adapted to aluminum pipe Alu-PEX insulated with synthetic rubber LS. U/C. (FIRESAFE FT Board)					
Pipe diameter \varnothing (mm):	No. Layers Fire Wrap:	Cut Length Fire Wrap (mm):	Thickness FIRESAFE FT Board 2 S (mm):	Fire resistance class:	Installation see detail, figure:
16	2	264	2 x 50	EI 60	7
18	2	277	2 x 50	EI 60	7
20	2	289	2 x 50	EI 60	7
25	2	321	2 x 50	EI 60	7
32	2	365	2 x 50	EI 60	7
40	2	415	2 x 50	EI 60	7
50	2	478	2 x 50	EI 60	7
63	2	559	2 x 50	EI 60	7
75	2	625	2 x 50	EI 60	7

Applicable to aluminum pipes Alu- PEX with pipe wall thickness: $2,0 \leq 7,5$ mm.

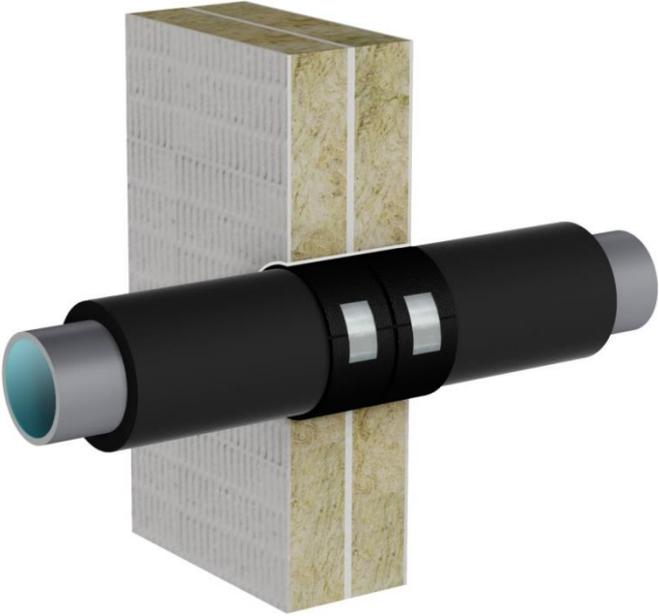
LS: The pipe must have a continuous pipe insulation type of Armaflex in length 300 mm out on each side of the wall.

Other similar cellular rubber may be used in fire classes Euro Class B/ BL, s3-d0.

Explanation of abbreviations by pipe insulation (ref. 1366-3: 2009, Table 1:

LS: Length from wall on both sides and in the actual implementation.

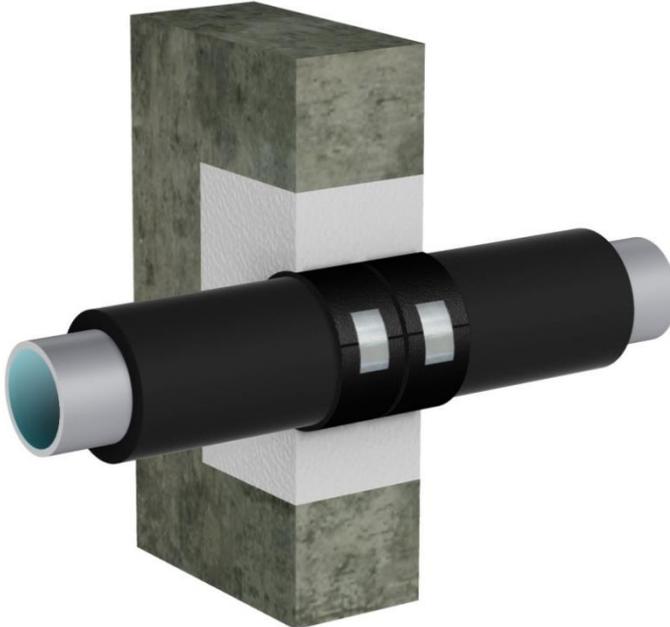
LS: Lengths of pipe insulation can be increased, but not reduced.

Installation	Detail, figure 7
 <p style="text-align: center;">U/C: Unventilated pipe systems e.g. cold or hot water pipes. Plastic pipes can be at all angles between 90 ° and 45 ° relative to the wall.</p>	<p>Installation of FIRESAFE FT Board</p> <p>Cutout size in wall $\leq 600 \times 1200$ (mm)</p> <p>Customize the FIRESAFE FT Board exactly for the cutout with a knife or saw.</p> <p>Apply FIRESAFE FT Acrylic on all ends of the board with steel spackle before pressing the board into the cutout.</p> <p>The FIRESAFE FT board should be installed flush with both sides of the wall.</p> <p>When FIRESAFE FT Board is installed in the cutout, all openings must be sealed between the FIRESAFE FT Board and the concrete structure with FIRESAFE FT Acrylic on both sides.</p> <p>Installation of FIRESAFE Fire Wrap in FT Board</p> <p>Clean pipes to remove grease and moisture, debris and dust in the opening.</p> <p>FIRESAFE Fire Wrap On Roll must be cut according to length for the required amount of layers according to pipe size. Install FIRESAFE Fire Wrap tightly around the pipe, fastening Fire Wrap around the pipe with tape to keep Fire Wrap in place.</p> <p>FIRESAFE Fire Wrap must be installed recessed in FIRESAFE FT Board on both sides of the wall. Clearance between FIRESAFE Fire Wrap and FIRESAFE FT Board must be sealed with FIRESAFE FT Acrylic.</p> <p>* FIRESAFE Fire Wrap should always be installed exactly flush with FIRESAFE FT Board on both sides, FIRESAFE Fire Wrap must be visible for inspection after finished installation.</p>

FIRESAFE Fire Wrap

Table 8: Rigid wall ≥ 100					
FIRESAFE Fire Wrap on roll, adapted to aluminum pipe Alu-PEX insulated with synthetic rubber LS. U / C. (In FIRESAFE GPG)					
Pipe diameter \varnothing (mm):	No. Layers Fire Wrap:	Cut Length Fire Wrap (mm):	Thickness FIRESAFE FT Board 2 S (mm):	Fire resistance class:	Installation see detail, figure:
16	2	264	100	EI 90	8
18	2	277	100	EI 90	8
20	2	289	100	EI 90	8
25	2	321	100	EI 90	8
32	2	365	100	EI 90	8
40	2	415	100	EI 90	8
50	2	478	100	EI 90	8
63	2	559	100	EI 90	8
75	2	625	100	EI 90	8

Applicable to aluminum pipes Alu-PEX with pipe wall thickness: $2,0 \leq 7,5$ mm.
LS: The pipe must have a continuous pipe insulation type of Armaflex in length 300 mm out on each side of the wall.
 Other similar cellular rubber may be used in fire classes Euro Class B/ BL, s3-d0.
Explanation of abbreviations by pipe insulation (ref. 1366-3: 2009, Table 1:
 LS: Length from wall on both sides and in the actual implementation.
 LS: Lengths of pipe insulation can be increased, but not reduced.

Installation	Detail, figure 8
	<p>Installation of FIRESAFE GPG MORTAR</p> <p>Cutout size in wall $\leq 200 \times 1000$ (mm)</p> <p>Clean pipes to remove grease and moisture, debris and dust in the opening.</p> <p>FIRESAFE Fire Wrap On Roll must be cut according to length for the required amount of layers according to pipe sizes.</p> <p>Install FIRESAFE Fire Wrap tightly around the pipe, fastening Fire Wrap around the pipe with tape to keep Fire Wrap in place.</p> <p>FIRESAFE Fire Wrap to be installed recessed in FIRESAFE FT Board on both sides of the wall.</p> <p>FIRESAFE GPG MORTAR blends in stiff consistency with 4 parts GPG powder and 1 part water. Apply the GPG mass in 100 mm thickness.</p> <p>* FIRESAFE Fire Wrap should always be installed exactly flush with FIRESAFE GPG on both sides of the wall.</p> <p>FIRESAFE Fire Wrap must be visible for inspection after finished installation in GPG.</p>

U/C: Unventilated pipe systems e.g. cold or hot water pipes.
 Plastic pipes can be at all angles between 90 ° and 45 ° relative to the wall.

FIRESAFE Fire Wrap

Table 9: Rigid wall ≥ 100					
FIRESAFE Fire Wrap on roll, adapted to plastic pipe of PE- PP-PVC ≤ Ø 90 mm, pipe wall thickness: ≥ 2,7 ≤ 10 mm. U/C. (In FIRESAFE GPG)					
Pipe diameter Ø (mm):	No. Layers Fire Wrap:	Cut Length Fire Wrap (mm):	Thickness FIRESAFE FT Board 2 S (mm):	Fire resistance class:	Installation see detail, figure:
40	1	126	100	EI 120	9
50	1	157	100	EI 120	9
63	1	198	100	EI 120	9
75	1	236	100	EI 120	9
80	1	252	100	EI 120	9
90	1	283	100	EI 120	9

Installation	Detail, figure 9
	<p>Installation of FIRESAFE GPG MORTAR</p> <p>Cutout size in wall ≤ 200 x 1000 (mm)</p> <p>Clean pipes to remove grease and moisture, debris and dust in the opening.</p> <p>FIRESAFE Fire Wrap On Roll must be cut according to length for the required amount of layers according to pipe sizes.</p> <p>Install FIRESAFE Fire Wrap tightly around the pipe, fastening Fire Wrap around the pipe with tape to keep Fire Wrap in place.</p> <p>FIRESAFE Fire Wrap to be installed recessed in FIRESAFE FT Board on both sides of the wall.</p> <p>FIRESAFE GPG MORTAR blends in stiff consistency with 4 parts GPG powder and 1 part water. Apply the GPG mass in 100 mm thickness.</p> <p>* FIRESAFE Fire Wrap must always be installed exactly flush with FIRESAFE GPG on both sides of the wall.</p> <p>FIRESAFE Fire Wrap must be visible for inspection after finished installation in GPG.</p>

U/C: Unventilated pipe systems e.g. cold or hot water pipes.
 Plastic pipes can be at all angles between 90 ° and 45 ° relative to the wall.

FIRESAFE Fire Wrap

INSTALLATION INSTRUCTIONS

Date: 08.09.2017
Rev.: 29.09.2017
Rev.: 1
Prepared by: PP
Approved by: AK
Page 11 of 11
Approval: ETA - 15/0339
DoP.: FIR/PP/WRA - 15-08-2017
CE 0957

DOCUMENTATION INFORMATION

Overview of applications as well as fire resistance classes are shown in this assembly view.

Other documentation such as product data sheets, material safety data sheets (SDS) and performance statement (DoP) can be downloaded from www.firesafe.no.

Product Certification with / off Performance Statement (DoP); For more information see the certification of CE-branded construction products through ETA on www.eota.eu/;

Always consult with www.firesafe.no for the latest version of assembly instructions, product data sheet and performance statement (DoP), as product development and testing are ongoing processes in FIRESAFE AS.

Contact FIRESAFE AS, Technical Department for other EI-requirements, non-standardized solutions or complex project-specific requirements; Email: firmapost@firesafe.no.

FIRESAFE /

All information given in this data sheet, should be viewed as normative values obtained from tests and our collective knowledge and experience of the product. This information must not be used as the basis of or verification for other tests or systems. Firesafe AS takes no responsibility for other uses or incorrect uses of the product. The user is responsible for ensuring that the most recent version of this document is used. This can be checked on our website, www.firesafe.no. This document may not be copied without the written consent of Firesafe AS.

Firesafe AS, Robsrudskogen 15, PO Box 6411 Etterstad, NO-0605 Oslo, Norway
Telephone: +47 09 110. E-mail: firmapost@firesafe.no