


FIRESAFE FT Flex Strip

PRODUCT DESCRIPTION

FIRESAFE FT Flex Strip is an elastic fire proof system for sealing vertical and horizontal linear joints. FIRESAFE FT Flex Strip consists of a heat-expanding laminate with a soft core of cellular rubber. The heat-expanding laminate already expands at about 180 ° C.

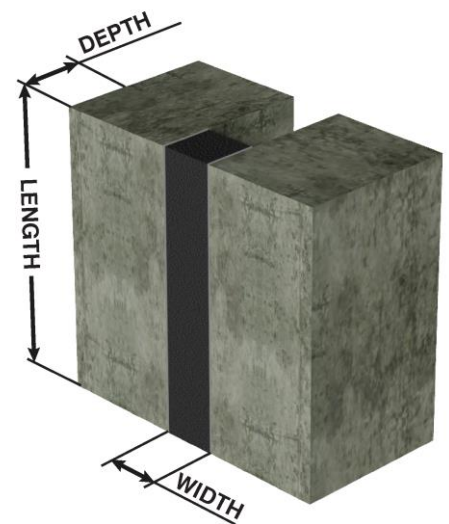
FIRESAFE FT Flex Strip is particularly suitable for joints where there are requirements for movements in the construction.

AREAS OF APPLICATION

- Fire sealing of joints and gaps in rigid and flexible walls.
- Fire sealing of joints and gaps in rigid floors.
- Fire sealing of joints and gaps in transition between walls and floors. .
- Moving joints with max movement up to 25%.
- Movement, compression 40% ≤ 5 kPa; 50% ≤ 10 kPa
- FIRESAFE FT Flex Strip has very good sound insulation: $R_{s,w}$ = up to 51 dB. 

INSTALLATION

- Ensure that any joints and gaps to be sealed with FIRESAFE FT Flex Strip are free from dust and grease.
- Press FIRESAFE FT Flex Strip into the joint opening, exactly flush with the floor or wall
- Press together FIRESAFE FT Flex Strip with a maximum of 40% for adapting to the joint opening.
- Install FIRESAFE FT Flex Strip exactly to fill the joint opening
- FIRESAFE FT Flex Strip is simple to fit in the longitudinal direction with a sharp knife.
- If minor irregularities in/on the surface of the joint, FIRESAFE FT Acrylic is to be used. In the event of major irregularities in the joint opening, irregularities are completed with FIRESAFE GPG MORTAR.
- Slips and openings > 3 mm between the construction and FIRESAFE FT Flex Strip must always be smoke sealed with FIRESAFE FT Acrylic.
- See tables and details on page 2 for correct sizes of FIRESAFE FT Flex Strip and fire resistance.
- Necessary tools: Knife and possibly a caulking gun FIRESAFE FT Acrylic.



AVAILABLE SIZES ADAPTED TO JOINT OPENING / ARTICLE-No.

Article no.: 100 520 FIRESAFE FT Flex Strip. Length 925 x Width 15 mm x Depth 30 mm. Used for joint width ≤ 11 mm.

Article no.: 100 521 FIRESAFE FT Flex Strip. Length 925 x Width 30 mm x Depth 25 mm. Used for joint width ≤ 25 mm.

Article no.: 100 522 FIRESAFE FT Flex Strip. Length 925 x Width 30 mm x Depth 50 mm. Used for joint width ≤ 25 mm.

Article no.: 100 523 FIRESAFE FT Flex Strip. Length 925 x Width 56 mm x Depth 50 mm. Used for joint width ≤ 50 mm.

CERTIFICATION / FIRE RESISTANCE

- FIRESAFE FT Flex Strip is tested according to NS-EN 1366-4 and EN 13501-1: Class E, EN 13501-2. Tested in accordance with EN 10140-2 + ISO 717-1 Structural joints. Certified according to ETA-16/0102.
- Fire resistance EI 60 - EI 240 with extensive applications for walls and floors.
- Fire-rated walls according to EN 1363-1: Wall of brick / concrete / cast construction (density 600 - 650 kg/m³) ≥100 mm.
- Fire classified floors according to EN 1363-1: Floors of masonry/ cast construction (density 600 - 650 kg/m³) ≥150 mm.
- For more details, see DoP / Declaration of Performance and Product Data Sheet at www.firesafe.no.

SEE FIRE RESISTANCE CLASS AND INSTALLATION DETAILS ON THE NEXT PAGES.

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.

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TYPE OF JOINT	FIRE RESISTANCE CLASS:	DETAILS:	PAGE:
Two-sided horizontal joint in rigid wall ≥ 100 mm, ≤ 11 mm in width, including abutting floors	EI 120	Figure 1	2
One-sided horizontal joint in rigid wall ≥ 100 mm, ≤ 11 mm in width, including abutting floors	EI 120	Figure 2	3
Two-sided vertical joint, ≤ 25 mm in width, in flexible and rigid wall ≥ 100 mm	EI 90	Figure 3	3
Two-sided horizontal joint, ≤ 25 mm in width, in flexible and rigid wall ≥ 100 mm, incl.abutting floor	EI 120	Figure 4	4
Two-sided horizontal joint in rigid wall ≥ 100 mm, ≤ 25 mm in width, including abutting floor	EI 120	Figure 5	4
Two-sided vertical joint, ≤ 50 mm in width, in flexible and rigid wall ≥ 100 mm	EI 60	Figure 6	5
Two-sided horizontal joint in rigid wall ≥ 100 mm, ≤ 50 mm in width, including against adjacent floor	EI 120	Figure 7	5
One-sided horizontal joint in rigid wall ≥ 100 mm, ≤ 50 mm in width, including against adjacent floor	EI 60	Figure 8	6
One-sided horizontal joint in rigid wall ≥ 100 mm, ≤ 11 mm in width, including against adjacent floor	EI 180	Figure 9	6
Two-sided horizontal joint in rigid floor ≥ 150 mm, ≤ 11 mm in width, including against adjacent wall	EI 240	Figure 10	7
One-sided horizontal joint in rigid floor ≥ 150 mm, ≤ 25 mm in width, including against adjacent wall	EI 120	Figure 11	7
Two-sided horizontal joint in rigid floor ≥ 150 mm, ≤ 25 mm in width, including against adjacent wall	EI 180	Figure 12	8
One-sided horizontal joint in rigid floor ≥ 150 mm, ≤ 50 mm in width, including against adjacent wall	EI 60	Figure 13	8
Two-sided horizontal joint in rigid floor ≥ 150 mm, ≤ 50 mm in width, including against adjacent wall	EI 120	Figure 14	9

Table 1: Rigid wall ≥ 100 mm			
Two-sided horizontal joint, 11 mm in width, against adjacent floor	Width x depth FT Flex Strip from two sides	Fire resistance class	See detail, figure
≤ 11 mm	15 x 30 mm	EI 120	Figure 1

Installation	Detail, figure 1
	<p>Remove any debris and dust in the opening.</p> <p>FIRESAFE FT Flex Strip is simple to fit in the longitudinal direction with a sharp knife.</p> <p>FIRESAFE FT Flex Strip, size width 15 mm x depth 30 mm, must be installed exactly flush with wall on both sides.</p> <p>If minor surface imperfections, these should be leveled with FIRESAFE FT Acrylic before the FIRESAFE FT Flex Strip is pressed into the joint opening.</p> <p>For larger unevenness in the joint opening, these should be filled with FIRESAFE GPG MORTAR before the FIRESAFE FT Flex Strip is pressed into the joint opening.</p> <p>Slips and openings > 3 mm between the construction and FIRESAFE FT Flex Strip must always be smoke sealed with FIRESAFE FT Acrylic, after the FIRESAFE FT Flex Strip is installed.</p>
Figure 1: Sound 50 dB 	

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Table 2: Rigid wall ≥ 100 mm			
One-sided horizontal joint, 11 mm in width, against adjacent floor	Width x depth FT Flex Strip from one side	Fire resistance class	See detail, figure
≤ 11 mm	15 x 30 mm	EI 120	Figure 2





Installation	Detail, figure 2
 <p>Remove any debris and dust in the opening.</p> <p>FIRESAFE FT Flex Strip is simple to fit in the longitudinal direction with a sharp knife.</p> <p>FIRESAFE FT Flex Strip, size width 15 mm x depth 30 mm, must be installed exactly flush with wall on one side.</p> <p>If minor surface imperfections, these should be leveled with FIRESAFE FT Acrylic before the FIRESAFE FT Flex Strip is pressed into the joint opening.</p> <p>For larger unevenness in the joint opening, these should be filled with FIRESAFE GPG MORTAR before the FIRESAFE FT Flex Strip is pressed into the joint opening.</p> <p>Slips and openings > 3 mm between the construction and FIRESAFE FT Flex Strip must always be smoke sealed with FIRESAFE FT Acrylic, after the FIRESAFE FT Flex Strip is installed.</p>	<p>Figure 2: Sound 46 dB </p>

Table 3: Flexible and rigid wall ≥ 100 mm			
Two-sided vertical joint, 25 mm in width	Width x depth FT Flex Strip from two sides	Fire resistance class	See detail, figure
≤ 25 mm	30 x 25 mm	EI 90	Figure 3

Installation	Detail, figure 3
 <p>Remove any debris and dust in the opening.</p> <p>FIRESAFE FT Flex Strip is simple to fit in the longitudinal direction with a sharp knife.</p> <p>FIRESAFE FT Flex Strip, size width 30 mm x depth 25 mm, must be installed exactly flush with wall on both sides.</p> <p>If minor surface imperfections, these should be leveled with FIRESAFE FT Acrylic before the FIRESAFE FT Flex Strip is pressed into the joint opening.</p> <p>For larger unevenness in the joint opening, these should be filled with FIRESAFE GPG MORTAR before the FIRESAFE FT Flex Strip is pressed into the joint opening.</p> <p>Slips and openings > 3 mm between the construction and FIRESAFE FT Flex Strip must always be smoke sealed with FIRESAFE FT Acrylic, after the FIRESAFE FT Flex Strip is installed.</p>	<p>Figure 3: Sound 46 dB </p>

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Table 4: Rigid wall ≥ 100 mm			
Two-sided horizontal joint, 25 mm in width, against adjacent floor	Width x depth FT Flex Strip from two sides	Fire resistance class	See detail, figure
≤ 25 mm	30 x 25 mm	EI 120	Figure 4





Installation	Detail, figure 4
 <p>Remove any debris and dust in the opening.</p> <p>FIRESAFE FT Flex Strip is simple to fit in the longitudinal direction with a sharp knife.</p> <p>FIRESAFE FT Flex Strip, size width 30 mm x depth 25 mm, must be installed exactly flush with wall on both sides</p> <p>If minor surface imperfections, these should be leveled with FIRESAFE FT Acrylic before the FIRESAFE FT Flex Strip is pressed into the joint opening.</p> <p>For larger unevenness in the joint opening, these should be filled with FIRESAFE GPG MORTAR before the FIRESAFE FT Flex Strip is pressed into the joint opening.</p> <p>Slips and openings > 3 mm between the construction and FIRESAFE FT Flex Strip must always be smoke sealed with FIRESAFE FT Acrylic, after the FIRESAFE FT Flex Strip is installed.</p>	<p>Figure 4: Sound 46 dB </p>

Table 5: Rigid wall ≥ 100 mm			
Two-sided horizontal joint, 25 mm in width, against adjacent floor	Width x depth FT Flex Strip from two sides	Fire resistance class	See detail, figure
≤ 25 mm	30 x 50 mm	EI 120	Figure 5



Installation	Detail, figure 5
 <p>Remove any debris and dust in the opening.</p> <p>FIRESAFE FT Flex Strip is simple to fit in the longitudinal direction with a sharp knife.</p> <p>FIRESAFE FT Flex Strip, size width 30 mm x depth 50 mm, must be installed exactly flush with wall on both sides.</p> <p>If minor surface imperfections, these should be leveled with FIRESAFE FT Acrylic before the FIRESAFE FT Flex Strip is pressed into the joint opening.</p> <p>For larger unevenness in the joint opening, these should be filled with FIRESAFE GPG MORTAR before the FIRESAFE FT Flex Strip is pressed into the joint opening.</p> <p>Slips and openings > 3 mm between the construction and FIRESAFE FT Flex Strip must always be smoke sealed with FIRESAFE FT Acrylic, after the FIRESAFE FT Flex Strip is installed.</p>	<p>Figure 5: Sound 46 dB </p>

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Table 6: Flexible and rigid wall ≥ 100 mm			
Two-sided vertical joint, 50 mm in width	Width x depth FT Flex Strip from two sides	Fire resistance class	See detail, figure
≤ 50 mm	56 x 25 mm	EI 60	Figure 6

Installation	Detail, figure 6
 <p>Remove any debris and dust in the opening.</p> <p>FIRESAFE FT Flex Strip is simple to fit in the longitudinal direction with a sharp knife.</p> <p>FIRESAFE FT Flex Strip, size width 56 mm x depth 25 mm, must be installed exactly flush with wall on both sides.</p> <p>If minor surface imperfections, these should be leveled with FIRESAFE FT Acrylic before the FIRESAFE FT Flex Strip is pressed into the joint opening.</p> <p>For larger unevenness in the joint opening, these should be filled with FIRESAFE GPG MORTAR before the FIRESAFE FT Flex Strip is pressed into the joint opening.</p> <p>Slips and openings > 3 mm between the construction and FIRESAFE FT Flex Strip must always be smoke sealed with FIRESAFE FT Acrylic, after the FIRESAFE FT Flex Strip is installed.</p>	Figure 6: Sound 43 dB 

Table 7: Rigid wall ≥ 100 mm.			
Two-sided horizontal joint, 50 mm in width, against adjacent floor	Width x depth FT Flex Strip from two sides	Fire resistance class	See detail, figure
≤ 50 mm	56 x 50 mm	EI 120	Figure 7

Installation	Detail, figure 7
 <p>Remove any debris and dust in the opening.</p> <p>FIRESAFE FT Flex Strip is simple to fit in the longitudinal direction with a sharp knife.</p> <p>FIRESAFE FT Flex Strip, size width 56 mm x depth 50 mm, must be installed exactly flush with wall on both sides.</p> <p>If minor surface imperfections, these should be leveled with FIRESAFE FT Acrylic before the FIRESAFE FT Flex Strip is pressed into the joint opening.</p> <p>For larger unevenness in the joint opening, these should be filled with FIRESAFE GPG MORTAR before the FIRESAFE FT Flex Strip is pressed into the joint opening.</p> <p>Slips and openings > 3 mm between the construction and FIRESAFE FT Flex Strip must always be smoke sealed with FIRESAFE FT Acrylic, after the FIRESAFE FT Flex Strip is installed.</p>	Figure 7: Sound 43 dB 

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Table 8: Rigid wall ≥ 100 mm.			
One-sided horizontal joint, 50 mm in width, against adjacent floor	Width x depth FT Flex Strip from one side	Fire resistance class	See detail, figure
≤ 50 mm	56 x 50 mm	EI 60	Figure 8



Installation	Detail, figure 8
 <p>Remove any debris and dust in the opening.</p> <p>FIRESAFE FT Flex Strip is simple to fit in the longitudinal direction with a sharp knife.</p> <p>FIRESAFE FT Flex Strip, size width 56 mm x depth 50mm, must be installed exactly flush with wall on one side.</p> <p>If minor surface imperfections, these should be leveled with FIRESAFE FT Acrylic before the FIRESAFE FT Flex Strip is pressed into the joint opening.</p> <p>For larger unevenness in the joint opening, these should be filled with FIRESAFE GPG MORTAR before the FIRESAFE FT Flex Strip is pressed into the joint opening.</p> <p>Slips and openings > 3 mm between the construction and FIRESAFE FT Flex Strip must always be smoke sealed with FIRESAFE FT Acrylic, after the FIRESAFE FT Flex Strip is installed.</p>	Figure 8: Sound 40 dB 

Table 9: Rigid floor ≥ 150 mm.			
One-sided horizontal joint, ≤ 11 mm in width, including against adjacent wall	Width x depth FT Flex Strip from one side	Fire resistance class	See detail, figure
≤ 11 mm	15 x 30 mm	EI 180	Figure 9


Installation	Detail, figure 9
 <p>Remove any debris and dust in the opening.</p> <p>FIRESAFE FT Flex Strip is simple to fit in the longitudinal direction with a sharp knife.</p> <p>FIRESAFE FT Flex Strip, size width 15 mm x depth 30mm, must be installed from one side, exactly flush with the upper floor.</p> <p>If minor surface imperfections, these should be leveled with FIRESAFE FT Acrylic before the FIRESAFE FT Flex Strip is pressed into the joint opening.</p> <p>For larger unevenness in the joint opening, these should be filled with FIRESAFE GPG MORTAR before the FIRESAFE FT Flex Strip is pressed into the joint opening.</p> <p>Slips and openings > 3 mm between the construction and FIRESAFE FT Flex Strip must always be smoke sealed with FIRESAFE FT Acrylic, after the FIRESAFE FT Flex Strip is installed.</p>	Figure 9: Sound 46 dB 

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Table 10: Rigid floor ≥ 150 mm.			
Two-sided horizontal joint, ≤ 11 mm in width, including against adjacent wall	Width x depth FT Flex Strip from two sides	Fire resistance class	See detail, figure
≤ 11 mm	15 x 30 mm	EI 240	Figure 10

Installation	Detail, figure 10
 <p>Remove any debris and dust in the opening.</p> <p>FIRESAFE FT Flex Strip is simple to fit in the longitudinal direction with a sharp knife.</p> <p>FIRESAFE FT Flex Strip, size width 15 mm x depth 30 mm, must be installed from two sides, exactly flush with the top and bottom of the floor.</p> <p>If minor surface imperfections, these should be leveled with FIRESAFE FT Acrylic before the FIRESAFE FT Flex Strip is pressed into the joint opening.</p> <p>For larger unevenness in the joint opening, these should be filled with FIRESAFE GPG MORTAR before the FIRESAFE FT Flex Strip is pressed into the joint opening.</p> <p>Slips and openings > 3 mm between the construction and FIRESAFE FT Flex Strip must always be smoke sealed with FIRESAFE FT Acrylic, after the FIRESAFE FT Flex Strip is installed.</p>	<p>Figure 10: Sound 50 dB </p>

Table 11: Rigid floor ≥ 150 mm.			
One-sided horizontal joint, ≤ 25 mm in width, including against adjacent wall	Width x depth FT Flex Strip from one side	Fire resistance class	See detail, figure
≤ 25 mm	30 x 50 mm	EI 120	Figure 11

Installation	Detail, figure 11
 <p>Remove any debris and dust in the opening.</p> <p>FIRESAFE FT Flex Strip is simple to fit in the longitudinal direction with a sharp knife.</p> <p>FIRESAFE FT Flex Strip, size width 30 mm x depth 50 mm, must be installed from one side, exactly flush with the top of the floor.</p> <p>If minor surface imperfections, these should be leveled with FIRESAFE FT Acrylic before the FIRESAFE FT Flex Strip is pressed into the joint opening.</p> <p>For larger unevenness in the joint opening, these should be filled with FIRESAFE GPG MORTAR before the FIRESAFE FT Flex Strip is pressed into the joint opening.</p> <p>Slips and openings > 3 mm between the construction and FIRESAFE FT Flex Strip must always be smoke sealed with FIRESAFE FT Acrylic, after the FIRESAFE FT Flex Strip is installed.</p>	<p>Figure 11: Sound 44 dB </p>

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Table 12: Rigid floor ≥ 150 mm.			
Two-sided horizontal joint, ≤ 25 mm in width, including against adjacent wall	Width x depth FT Flex Strip from two sides	Fire resistance class	See detail, figure
≤ 25 mm	30 x 50 mm	EI 180	Figure 12





Installation	Detail, figure 12
 <p>Remove any debris and dust in the opening.</p> <p>FIRESAFE FT Flex Strip is simple to fit in the longitudinal direction with a sharp knife.</p> <p>FIRESAFE FT Flex Strip, size width 30 mm x depth 50 mm, must be installed from two sides, exactly flush with the top and bottom of the floor.</p> <p>If minor surface imperfections, these should be leveled with FIRESAFE FT Acrylic before the FIRESAFE FT Flex Strip is pressed into the joint opening.</p> <p>For larger unevenness in the joint opening, these should be filled with FIRESAFE GPG MORTAR before the FIRESAFE FT Flex Strip is pressed into the joint opening.</p> <p>Slips and openings > 3 mm between the construction and FIRESAFE FT Flex Strip must always be smoke sealed with FIRESAFE FT Acrylic, after the FIRESAFE FT Flex Strip is installed.</p>	<p>Figure 12: Sound 46 dB </p>

Table 13: Rigid floor ≥ 150 mm.			
One-sided horizontal joint, ≤ 50 mm in width, including against adjacent wall	Width x depth FT Flex Strip from one side	Fire resistance class	See detail, figure
≤ 50 mm	56 x 50 mm	EI 60	Figure 13

Installation	Detail, figure 13
 <p>Remove any debris and dust in the opening.</p> <p>FIRESAFE FT Flex Strip is simple to fit in the longitudinal direction with a sharp knife.</p> <p>FIRESAFE FT Flex Strip, size width 56 mm x depth 50mm, must be installed from one side, exactly flush with the top of the floor.</p> <p>If minor surface imperfections, these should be leveled with FIRESAFE FT Acrylic before the FIRESAFE FT Flex Strip is pressed into the joint opening.</p> <p>For larger unevenness in the joint opening, these should be filled with FIRESAFE GPG MORTAR before the FIRESAFE FT Flex Strip is pressed into the joint opening.</p> <p>Slips and openings > 3 mm between the construction and FIRESAFE FT Flex Strip must always be smoke sealed with FIRESAFE FT Acrylic, after the FIRESAFE FT Flex Strip is installed.</p>	<p>Figure 13: Sound 40 dB </p>

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Table 14: Rigid floor ≥ 150 mm.			
Two-sided horizontal joint, ≤ 50 mm in width, including against adjacent wall	Width x depth FT Flex Strip from two sides	Fire resistance class	See detail, figure
≤ 50 mm	56 x 50 mm	EI 120	Figure 14

Installation	Detail, figure 14
 <p>Remove any debris and dust in the opening.</p> <p>FIRESAFE FT Flex Strip is simple to fit in the longitudinal direction with a sharp knife.</p> <p>FIRESAFE FT Flex Strip, size width 56 mm x depth 50 mm, must be installed from two sides, exactly flush with the top and bottom of the floor.</p> <p>If minor surface imperfections, these should be leveled with FIRESAFE FT Acrylic before the FIRESAFE FT Flex Strip is pressed into the joint opening.</p> <p>For larger unevenness in the joint opening, these should be filled with FIRESAFE GPG MORTAR before the FIRESAFE FT Flex Strip is pressed into the joint opening.</p> <p>Slips and openings > 3 mm between the construction and FIRESAFE FT Flex Strip must always be smoke sealed with FIRESAFE FT Acrylic, after the FIRESAFE FT Flex Strip is installed.</p>	<p>Figure 14: Sound 43 dB </p>

DOCUMENTATION INFORMATION

Overview of applications as well as fire resistance classes are shown in this installation instruction.

Other documentation such as product datasheet, safety data sheet (SDS) and declaration of performance (DoP) can be downloaded from www.firesafe.no.

Product Certification with Declaration of performance (DoP); For more information see certification of CE-labelled construction products through ETA at www.eota.eu/.

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

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