

FIRESAFE FT Board

TECHNICAL DESCRIPTION OF THE PRODUCT

FIRESAFE FT Board is a fireproof system of prefabricated plates, for quick and easy installation in wall and floor constructions. FIRESAFE FT Board is composed of non-combustible mineral wool class A1 according to EN 13501-1 with a melting point of ≥ 1000 °C.

FIRESAFE FT Board has a density of 160kg/m^3 , with a thickness of 50mm, which is applied paint (FIRESAFE FT Coating) on one or two sides of the board.

When implementing technical installations in the FT Board the following products must be used in addition to the FT Board: FIRESAFE FT Acrylic / FIRESAFE FT Graphite / FIRESAFE Fire Wrap on roll / FIRESAFE FIRE COLLAR.

Additional product is selected according to the type of installation used, as shown in the Installation Manual.

CERTIFICATION

FIRESAFE FT Board is tested and certified according to ETA-16/0103; where fire resistance and assembly instructions are given to the following constructions:

Constructive element ¹⁾	
Fire rated walls acc. to EN 1363-1	Standard flexible walls $\geq 100\text{mm}$: Framework of $\geq 50\text{mm}$ steel profile, which on both sides have a minimum 2x12,5mm plasterboard category F + insulated with: rock wool $\geq 50\text{mm}$, density $\geq 100\text{ kg/m}^3$
	Standard rigid walls $\geq 100\text{mm}$: Blockwork, (aerated) concrete or masonry, density $\geq 650\text{ kg/m}^3$
Fire rated floors acc. to EN 1363-1	Standard rigid floors $\geq 150\text{mm}$: (aerated) concrete or masonry, density $\geq 650\text{ kg/m}^3$
1) the supporting construction must be classified acc. EN 13501-2 for the entire required fire resistance period	

FIRE RESISTANCE

Smoke control acc. to EN 1364-3, and smoke leakage control classified to: Sa-Sm.

PIPE PENETRATIONS	Field of application acc. to EN 3501- 2 / EN 1366-3			
	Plastic pipe of PE/PP/PVC	Metallic pipe ^{2) 3)}	Aluminium pipe - Alu/PEX ³⁾	Configuration *
FIRE RESISTANCE: EI 30 up to EI 120: FIRESAFE FT Board in combination with other FIRESAFE products	Pipe diameter (mm) $\leq \text{Ø}250\text{mm}$	Pipe diameter (mm) $\leq \text{Ø}219\text{mm}$	Pipe diameter (mm) $\leq \text{Ø}75\text{mm}$	See details and further applications in the ancillary installation manual for FIRESAFE FT Board
²⁾ steel and copper ³⁾ with and without pipe insulation				

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CABLE PENETRATIONS	Field of application acc. to EN 3501- 2 / EN 1366-3	
	Cables, cable bridge and cable ladder continuous. Large/mixed cable configurations through the penetration.	Configuration *
FIRE RESISTANCE: EI 30 up to EI 180: FIRESAFE FT Board in combination with FIRESAFE FT Coating, <u>not</u> required to use FIRESAFE FT Coating as coat back on the cables etc.	It is not required to use FIRESAFE FT Coating on the cable, or on the cable bridge or cable ladder. Maximum filling degree is up to 60 %. The size of the opening in wall (mm): ≤ 600x1200mm. The size of the opening in floor (mm): ≤ 600x1200mm	See details and further applications in the installation manual for FIRESAFE FT Board.

PENETRATIONS FOR FIRE DAMPERS & DUCTS:	Field of application acc. to EN 3501- 2 / EN 1366-2 + EN 1366-3		
	Fire damper upgrade*	Fire insulation of ducts*	Configuration *
FIRE RESISTANCE: EI 60 up to EI 90: FIRESAFE FT Board in combination with other FIRESAFE products	Fire damper diameter (mm) ≤ 600x300	Ventilation ducts diameter (mm) ≤ 1000x1000	See details and further applications in the installation manual for FIRESAFE FT Board.

DIRECTIONS FOR USE / INSTALLATION INSTRUCTIONS

Important	Application must follow Declaration of Performance (DoP no. FIR/PP/BOA-01-03-2016) and the installation manual for FIRESAFE FT Board.
Equipment	Knife or pad saw. Caulking gun for application with FIRESAFE FT Acrylic. (radiator) paint brush or trowel, masking tape to get a smooth finish.
Surface preparation	Ensure that FIRESAFE FT Board is firmly anchored with the constructive elements on either side. Before installation of FIRESAFE FT Board, the penetration opening must be clean, dry and degreased; remove any debris and dust. Absorbent materials must be moistened in advance with water or a primer.
Finish & maintenance	FIRESAFE recommends to label each penetration with a fire sealing label which states; "the products used, fire resistance, date and made by", which corresponds to the workers worklists. Routine inspections on damage and repairs on the penetrations ensure sound fire protection management.

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TECHNICAL DATA

Material	High density rock wool batt / slab, prefab coated with FIRESAFE FT Coating
Colour	White, coated with FIRESAFE FT Coating on one or two sides
Fire resistance	EI 30 up to EI 180, depending on application and configuration
Tested and classified acc. to	EN 1366-2 + EN 1366-3; EN 13501-1: npd; EN 13501-2
Smoke control (tested and classified acc. to)	EN 1634-3: Sa - Sm
Use category	Z ₂ , internal use
Acoustic properties Airborne sound insulation Tested according to:	24 dB up to 45 dB, depending on application and configuration EN 10140-2 + EN-ISO 717-1.: (1x2-sided coated FT Board: 24 dB and 2x1-sided coated FT Board: 45 dB)
Application conditions	Between 5 °C and 30 °C, max. 70 % RH,
Storage	Store dry, between 5 °C and 30 °C, max. 70 % RH, avoid condensation and UV
Shelf life	Infinite, if stored acc. instruction/manual
Activation temperature	Not applicable
Flash point	Not applicable
Density	Approx. 160 kg/m ³
Release of dangerous substances	None: contains no formaldehyde and no asbestos

AVAILABLE SIZES

Standard size	600x1200mm
Standard thickness	50mm
2S (two-sided board)	Prefab coated with FIRESAFE FT Coating on 2 sides of the board
1S (one-sided board)	Prefab coated with FIRESAFE FT Coating on 1 side of the board
Packaging	Individual plate of FIRESAFE FT Board, wrapped in plastic foil/bag. FIRESAFE FT Board packed on pallet: 80 boards per pallet.

ARTICLE No. / PACKAGE / WEIGHT

FIRESAFE FT Board. 600x1200x50mm 2S = two-sided coated with FIRESAFE FT Coating	Article no.: 200 631	
	No. of boards per pallet	m ² per pallet
FIRESAFE FT Board 600x1200x50mm	80	57,6
		Kg per pallet
		± 600

LIMITATIONS

- Use FIRESAFE FT Board in combination with FIRESAFE FT Acrylic, or FIRESAFE FT Coating and screws of the type; FireScrew, according to specifications given in this document, and also in the installation manual and Declaration of Performance (DoP).
- Penetrations in floors, fire sealing with FIRESAFE FT Board is NOT suitable to be stepped on!
AND/OR FIRESAFE FT Board floor penetrations are not walkable!

TRANSPORT & STORAGE

- During transport: keep dry; do not stack pallets
- Store dry; best kept in cool, dark conditions
- Store on level ground; do not stack pallets
- HS code: 68069000

FIRESAFE

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 Telephone: +47 09 110. E-mail: firmapost@firesafe.no

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HEALTH AND SAFETY

- No specific restrictions
- Work according to the health & safety directive and use appropriate protective equipment PPE (dust mask)
- This product is classified as not dangerous under Regulation (EC) No. 1272/2008 and is in compliance with CLP regulations
- See separate Material Safety Data Sheet (MSDS) for FIRESAFE FT Board.

PRODUCT INFORMATION

An overview of intended uses (FoA) and principle configurations can be found in the installation instructions. Other documentation, including Material Safety Data Sheet (MSDS), Declaration of Performance (DoP) and installation instructions can be downloaded from www.firesafe.no

Product certification by DoP: for more information, see certification of CE-marked construction products through ETA on www.eota.eu/;

Always consult www.firesafe.no for the latest version of this DoP, as product development and testing are continuous processes at Firesafe AS.

Contact Firesafe AS, addressed to the Technical Department, for other EI requirements and other complex solutions.
E-mail: firmapost@firesafe.no.