



Knauf Fireboard & Accessories

Description

Knauf Fireboard is a glass fibre reinforced gypsum board specially developed for high performance lining and encasement, providing up to two hours of fire protection. Knauf Fireboard has a high quality white smooth surface finish which is ideal for most paint finishes, can be plastered directly, or left undecorated.

Knauf Fireboard Gripper Screws are gold passivated screws with spoon tips and 'hi-low' threads.

Knauf Uniflott is a specially formulated compound for jointing and filling Knauf Fireboard to help maintain the performance of the system.

Product Data – Knauf Fireboard

Thickness (mm)	Length (mm)	Width (mm)	Surface pH	Density (kg/m ³)	Water Absorption (% 24hrs)	Water vapour transmission (MN.s/g)	Boards per pallet	Area per pallet (m ²)
30	1800	1200	6.8	800	<20	8	26	56.16
25	1800	1200	6.8	800	<20	8	32	69.12
20	1800	1200	6.8	800	<20	8	40	86.40
15	2400	1200	6.8	800	<20	8	40	115.20

All dimensions are nominal

Product Data – Knauf Fireboard Gripper Screws

Length (mm)	Diameter (mm)	Items per Pack	Weight per Pack (kg)
60	3.9	1000	3.82
50	3.9	1000	3.21

All dimensions are nominal

Product Data – Knauf Uniflott

Bag size (kg)	Coverage (kg/m ²)
2.5	0.5/0.6

All dimensions are nominal

Performance

Fire

Can provide up to 2 hours fire resistance.

Knauf Fireboard is non-combustible to BS 476: Part 4: 1970 (1984) and Class 1 Surface Spread of Flame to BS 476: Part 7: 1997. Knauf Fireboard complies with the Class 'O' requirements of the Building Regulations.

Benefits

- Fully certified to provide two hours of fire protection
- Smooth white surface can be painted, plastered or left undecorated
- Can be installed using staples for fast and efficient installation
- Two fixing methods



Application

Knauf Fireboard is suitable for the encasement of structural steelwork to provide up to two hours of fire protection.

Knauf Fireboard is used to form a frameless encasement. Knauf Fireboard has been specially developed to accept direct edge fixings. Casings consist of Knauf Fireboard screwed or stapled to itself at abutting corners.

For steelwork encased on all four sides, Knauf Fireboard is fixed at each corner directly through the material, independent of the column or beam. For partial encasement, involving wall or ceiling abutments, Knauf Fireboard is fixed to light gauge steel angles.

Knauf Insulation recommend the use of Knauf Fireboard Gripper Screws, essential for fast construction, solid fixing and tight edge joints.

Knauf Uniflott is specially formulated to fill gaps, make good damage, seal around small penetrations etc.

Fire Performance

The system can provide up to 2 hours fire resistance. For precise calculation on fire protection values, please contact Knauf Insulation.

Knauf Fireboard is non-combustible to BS 476: Part 4: 1970 (1984) and Class 1 Surface Spread of Flame to BS 476: Part 7: 1997. Knauf Fireboard complies with the Class 'O' requirements of the Building Regulations when tested to BS 476: Part 6: 1989 and Part 7: 1997 and with the limited combustibility described in the Building Regulations. The smoke production is negligible.

Durability

Constant humidity over 95% or subjection to continuous water will reduce the serviceability of the boards.

Environmental

Knauf Fireboard is free from CFCs, HCFCs and any other material with ozone depletion potential in its manufacture and content and represents no known threat to the environment.

Operating Temperatures

Temperatures over 50°C can induce a material change of state which would reduce physical performance and serviceability. Fireboard has a working temperature ranging from 0 to 40°C.

Handling and Storage

Knauf Fireboard must be installed with care. Ensure adequate ventilation during installation, particularly when cutting boards. Avoid harsh body contact with sharp cut edges of metal components. Refer to Knauf Health and Safety literature and to HSE publications.

Knauf Fireboard is supplied shrink wrapped on pallets. It should be stored flat in indoor conditions. If stored on bearers, these should not exceed 450mm centres.

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For more information please refer to
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