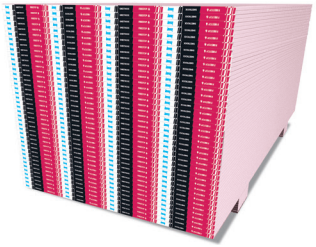
KNAUF SHEETROCK® FIRESTOP™ PLASTERBOARD

Knauf Sheetrock® Firestop™ plasterboard is a high-performance fire rated interior plasterboard composed of fire-resistant gypsum core, encased in 100% recycled face and back papers that form a high strength composite design. The panels have tapered long edges for easy finishing when used with Knauf's jointing compounds.



Fire Safety

Product Features

High-performance Fire Rated Interior Plasterboard

- Features a fire-resistant gypsum core that provides additional safety in case of fire over regular and regular moisture resistant plasterboards.
- Complies with international standards such as BS EN 520, or equivalent local standard for physical properties classification for gypsum boards, as well as BS 476 for non-combustibility.
- Extensive acoustic assemblies for commercial projects (STC)

Intended For

- Commercial and residential application where fire protection is required
- Load and non-load bearing wood and steel-framed fire-resistant walls
- Fire rated partition and ceiling systems approved for use by accredited certification bodies

Advantages

Sag Resistance
Shall be free from sagging or warping (defined as greater than 5mm measured in the panel centre) as a direct result of defects in material on factory workmanship. Sag resistance is measured under 'Standard Test Method for Physical Testing of Gypsum Panel Products1', ASTM C473-03; Section 14.0 Humidified Deflection.

Fire Rated Assemblies
System designs using Knauf Sheetrock® Firestop™ can be engineered to achieve 1-hour and up to 4-hour fire resistance level according to BS 476.

Reaction to Fire
Non-combustible. Evaluated and complies with BS 476: Part 4.

Easy to Install
Scores and snaps easily. Manufactured with a long recessed edge, which is easily installed and finishes similar to regular plasterboard.

Acoustic
Enhanced acoustic performance when used as a properly designed partition, floor, or ceiling system.

Limitations

1. Avoid exposure to sustained temperatures exceeding 50°C.
2. The system installation shall be carried out in a controlled environment with temperature 0° - 40°C, RH up to 90%.The environment conditions shall remain within the said limits after completion.
3. Installation shall be free from excessive humidity, chemical fumes, corrosive substance, freezing temperature or vibration.
4. The quality assurance shall not cover damages caused by fire or direct contact with water including, condensation, caustics substance or vapour due to leaks or temperature and humidity conditions which cause condensation to develop on the plasterboards, or other elements of nature or act of God or by any form of physical abuse.
5. Maximum framing spacing is 24" (610mm) centres.
6. Intended for interior applications only and must be kept dry during handling and storage. Please see Knauf installation guidelines.
7. Wall cavities, floor cavities and other enclosed areas must be dry prior to being closed up and application of interior finishing. Insulation in the wall or floor cavities must be dry.
8. The product must be stored in a dry and clean area protected from possible damage by rain and excessive moisture. Care must be taken that the products are not damaged during delivery and must also be protected against possible abrasions.

Finishing and Decorating

Jointing Compounds used for finishing plasterboard joints in specifired systems may be any plaster-based or vinyl-based ready-mixed compounds supplied by Knauf that are normally used for this purpose.

Knauf recommends the use of the 3 coat jointing system using paper tape to achieve the best joint strength.

For priming and decorating with paint, texture or wall covering, follow manufacturer's directions or recommendations.

If using semi-gloss or gloss paint, it is recommended that the plasterboard surface is finished to a Level 5 standard as these paints tend to highlight surface variations.

Test Data

Knauf fire-resistant plasterboard complies with:

	Property	Test Methods	Specification	Knauf Sheetrock® Firestop™ 16.0mm
Fire Reaction	**Non-combustibility**	BS 476 Part 4	Pass	Pass
Physical Properties	**Flexural Strength**	BS EN 520	Parallel	>688N
			Perpendicular	>269N

Product Data

Property	Knauf Sheetrock® Firestop™ 16.0mm
Nominal Weight (kg/m²)	13.6
Nominal Density (kg/m³)	850
Thickness (mm)	16.0
Width (mm)	1220
Length (mm)*	2440
Edges	Tapered
Face Paper Colour	Pink

*Please refer to your Knauf representative for other board sizes.

Compliance

Knauf Sheetrock® Firestop™ plasterboard complies with international standards such as BS EN 520 and BS 476 classification for fire resistance.

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