FireShield H

TECH DATA

Benefits

- High fire resistance to meet Building Code requirements
- Good acoustic performance
- Enhanced resistance to marks, scores, dents and holes

FireShield H can be used in commercial, industrial or residential applications where a FRL is required.

FireShield H is FireShield with improved impact resistance due to a higher density where improved resistance to incidental impacts is desired. When used in a system, it can meet the Fire Rating requirements for walls and ceilings required by the Building Code. FireShield H has ivory liner paper and performs well in systems where impact and acoustic properties are also required.

Product Information

	THICKNESS (mm)	WIDTH (mm)	LENGTH (mm)	WEIGHT* (kg/m²)
SHEET SIZE	13	1350#	3600	11.8
		1370#	3000	
FIRE HAZARD PROPERTIES	Group 1 material according to the requirements of BCA Section C1.10 Fire Hazard Properties Average Specific Extinction Area < 250 m^2/kg as required by BCA Specification C1.10a, Clause 3(c) Group 1S according to NZBC Performance Clause 3.4(a)			
COMBUSTIBILITY	Classified as non-combustible according to the BCA Section C1.12			
VOLATILE ORGANIC COMPOUNDS	Less than 0.5 mg/m^3 TVOC			

* Weights indicated are nominal
\# Minimum quantity and additional costs may apply

Application

FireShield H is used for internal lining applications such as fire and acoustic walls and ceilings, shafts and ducts. It can also be used within specialist commercial systems such as fire rated laminated ducts, column and beam fire protection and fire escape tunnels.

FireShield H is useful for wall lining in secure information systems areas where documents or equipment are located.

FireShield H is used in load bearing and non-load bearing applications.

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Performance

Fire
Achieves up to 180 minutes Fire Rating in accordance with AS/NZS 1530.4 *Methods for fire tests on building materials, components and structures.*

Sound
Good acoustic performance.

Impact
Increased density for better impact resistance.

Fire
FireShield H meets the performance requirements of the Building Code by providing Fire Ratings where required.

All fire rated plasterboard systems in the Knauf Technical Manual have been independently tested or assessed by qualified fire engineers.

Impact
Small hard body impact resistance has a strong relationship to plasterboard density. Small hard body impact resistance is measured by dropping a 50mm (510g) steel ball from various heights onto 400mm square plasterboard samples supported on a frame. FireShield H has a higher density to provide improved resistance to small hard body impacts, such as those experienced in hospital and school corridors.

Sound
FireShield H has good sound insulation performance and it can be substituted for 13mm FireShield in any system and maintain the fire performance.

Installation
FireShield H is installed using the 'Fastener Only Method' for all systems requiring a Fire Rating.

To maintain fire and acoustic integrity:

- Use BindEx Fire and Acoustic Sealant on all gaps and around perimeter.
- Use Paper Tape with either two coats of MastaBase/MastaLongset or three coats of MastaLite.

Refer to the latest Knauf Technical Manual on the website for complete installation instructions.

Certified System
Quality ISO 9001
SAI GLOBAL

FireShield H is manufactured in Australia in accordance with quality systems certified as complying with AS/NZS ISO 9001:2008 and meets the requirements of AS/NZS 2588, *Gypsum Plasterboard*.

Warranty
Knauf's products are guaranteed by a 10 Year Warranty.
For details visit
knaufplasterboard.com.au

Technical Advice
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