

TECH DATA

Benefits

- Meets the requirement for fire and water resistant applications
- Easy to install compared with fibre cement board, brick work or concrete
- MultiShield can substitute 13mm FireShield in fire rated systems



MultiShield can be used in bushfire prone areas for increased fire protection.

MultiShield is a plasterboard with the combined benefits and properties of FireShield and WaterShield. It is suitable for use in wet areas where a Fire Resistance Level (FRL) is required. MultiShield has recycled blue liner paper.

Product Information

SHEET SIZE	THICKNESS (mm)	WIDTH (mm)	LENGTH (mm)	WEIGHT* (kg/m ²)
	13	1200	3000, 3600	10.7
	16	1200	2700, 3000	12.5
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)			
COMBUSTIBILITY	Classified as non-combustible according to the BCA Section C1.12			
VOLATILE ORGANIC COMPOUNDS	Less than 0.5mg/m ³ TVOC			

* Weights indicated are nominal

Application

MultiShield is suitable for fire rated wall systems where the wall lining must be water resistant. Examples of this include external fire rated wall systems and wet area walls that are part of a separating wall. Wet areas include bathrooms, showers, toilets and laundries.

MultiShield systems can satisfy the requirements of AS 3959, *Construction of buildings in bushfire prone areas* for elements of construction within subfloor supports, floors, external walls, eaves and external ceilings and separating walls.

MultiShield may be used for load bearing and non-load bearing applications.

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Performance



Fire

Achieves 30 to 240 minutes FRL in accordance with AS 1530.4 *Methods for fire tests on building materials, components and structures*.



Water

Meets the requirements of AS 2588 for water resistant plasterboard.



Sound

Good acoustic performance.

Fire

MultiShield meets the performance requirements of BCA Volume 1, Fire Resistance section and Volume 2, Fire Safety section.

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

Refer to the latest Knauf Technical Manual on the website for system information.

Water

MultiShield is manufactured to high internal standards that meet or exceed the requirements for water resistant gypsum board within Australian Standard AS 2588, *Gypsum Plasterboard*.

The installation of MultiShield in accordance with Knauf wet area installation instructions complies with the requirements from AS 3740 and the BCA for wet areas.

Installation

MultiShield is installed using the 'Fastener Only Method' for all systems requiring a FRL.

To maintain fire and acoustic integrity:

- Use fire sealant on all gaps and around perimeter
- As a minimum, only 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.



Quality
ISO 9001

SAI GLOBAL

MultiShield 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. Visit knaufplasterboard.com.au for details.



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