

# MultiShield

## Performance Plasterboard



# PRODUCT DATA SHEET

## Benefits

- > Meets the requirement for fire and moisture resistant applications
- > Single lining solution avoiding extra layers or lining types
- > MultiShield can be substituted into FireShield systems and maintain fire and acoustic performance



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

## Product Information

	THICKNESS (mm)	WIDTH (mm)	LENGTH (mm)	WEIGHT * (kg/m <sup>2</sup> )
SHEET SIZE	13	1220	2440	12.0
	16	1220	2440	14.6
FIRE HAZARD PROPERTIES	Group 1 material according to the requirements of BCA Section C1.10 Fire Hazard Properties Average Specific Extinction Area < 250 m <sup>2</sup> /kg as required by BCA Specification C1.10, Clause 4			
COMBUSTIBILITY	Classified as non-combustible according to the BCA Section C1.9			
VOLATILE ORGANIC COMPOUNDS	Less than 0.5 mg/m <sup>3</sup> TVOC			

\* Weights indicated are nominal

## Application

MultiShield is suitable for FireShield systems where the lining must also be moisture resistant, such as external fire rated walls and wet areas 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 and external ceilings.

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### Performance



#### Fire

Achieves 30 to 240 minutes in accordance with AS/NZS 1530.4 *Standard test methods for fire tests of building construction and materials.*



#### Moisture

Meets the requirements of ASTM C1396 for moisture resistant plasterboard.



#### Sound

Good acoustic performance.



#### Fire

MultiShield meets the performance requirements of the Building Code by providing an FRL (Fire Resistance Level) where required.

Can be used wherever FireShield has been nominated in Knauf literature such as Blueprint - Technical Manual for steel framed wall and ceiling systems.

#### Moisture

MultiShield is manufactured to high internal standards that meet or exceed the requirements for moisture resistant gypsum board within Australian Standard AS/NZS 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 (Building Code of Australia) for wet areas.

#### Installation

MultiShield is installed using the 'Fastener Only Method' for all systems requiring an FRL (Fire Resistance Level).

To maintain fire and acoustic integrity:

- Use Knauf Fire and Acoustic Sealant on all gaps and around perimeter
- Use paper tape when finishing with Knauf K-Joint jointing compound

Refer to the Knauf website for the latest system installation instructions.



Quality  
ISO 9001

SAI GLOBAL

MultiShield is manufactured in accordance with quality systems certified as complying with AS/NZS ISO 9001:2015 and meets the requirements of AS/NZS 2588, Gypsum Plasterboard.

#### Technical Assistance

For technical advice, please call Knauf technical assistance  
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