TECH DATA

FireShieldECO

FireShieldECO is a Good Environmental Choice Australia (GECA) certified plasterboard that has been formulated to resist fire. When used in a system, it can meet the Fire Resistance Level (FRL) requirements for walls and ceilings required by the Building Code of Australia (BCA). It is manufactured in accordance with GECA Panel Board Standard 04-2007; quality system certified as complying with AS/NZS ISO 9001:2008 and meets the requirements of AS/NZ 2588, Gypsum Plasterboard. FireShield ECO has recycled green liner paper and performs well in systems where acoustic properties are required.

LAF-2010
GECA 04-2007
PANEL BOARDS

APPLICATION

FireShieldECO can be used within fire rated systems that require GECA or equivalent certified plasterboard to achieve points within the materials categories for Office, Healthcare and Multi-Residential Green star projects.

FireShield ECO may be used in other commercial, industrial and residential sectors for internal lining applications such as fire and acoustic walls and ceilings, shafts and ducts, and within specialist commercial systems such as column and beam fire protection and fire escape tunnels.

FireShield ECO can provide fire protection for secure information systems area where documents or equipment are located.

FireShield ECO may be used in load bearing and non-load bearing areas.

FireShield ECO can be used within fire rated partitions systems and can achieve maximum Green Star points for the material categories – Office, Healthcare and Multi-Residential.

BENEFITS

> 100% Green Star points for the relevant material categories within Office, Healthcare and Multi-Residential Green Star projects

> High fire resistance performance

> Good acoustic performance

> Economical, lightweight and easy to install compared with brick work and masonry

> May be substituted for 13mm FireShield in any fire rated system

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PRODUCT INFORMATION

SHEET SIZE	Thickness (mm)	Width (mm)	Length (mm)	Weight* (kg/m²)
	13	1200	3000	10.5
FIRE HAZARD PROPERTIES	Group 1 material according to the requirements of BCA Section C1.10 Fire Hazard Properties Average Specific Extinction Area < 250 m²/kg as required by BCA Specification C1.10a, Clause 3(c)			
COMBUSTIBILITY	Non-combustible according to the BCA Section C1.12			
VOLATILE ORGANIC COMPOUNDS	TVOC < 0.5mg/m³			
RECYCLED CONTENT	11%			

* Weights indicated are nominal

INSTALLATION

FireShieldECO 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 Lafarge Plasterboard Tech Manual (October 2009) for complete installation instructions and for end of life recycling refer to OnBoard – Design for Disassembly.

PERFORMANCE

FireShieldECO has been independently certified as fully complying to the criteria of GECA Panel Board Standard 04-2007.

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Lafarge Plasterboard manufactures plasterboard products in accordance with quality systems certified as complying with AS/NZS ISO 9001:2008.

Certified System

Quality
ISO 9001
SAI GLOBAL

FireShield ECO systems have been designed to:

› Achieve a FRL from 30 minutes up to 180 minutes assessed in accordance with AS 1530.4 *Methods for fire tests on building materials, components and structures.* Refer to the Lafarge Plasterboard Tech Manual (October 2009) for system information

› Meet the performance requirements of BCA Volume 1, *Fire Resistance* section and Volume 2, *Fire Safety* section.

All fire rated plasterboard systems in the Lafarge Plasterboard Tech Manual (October 2009) have been independently tested or assessed by qualified fire engineers.

WARRANTY

Lafarge Plasterboard's products are guaranteed by a 10 Year Warranty. Visit lafargeplasterboard.com.au for details.

Lafarge Plasterboard also offers supporting documentation for Sustainable Building projects including product stewardship, VOC Certificates, OnBoard – Design for Disassembly as well as information on Environmental Policy and Management.

All Green Star compliance documents are available on www.lafargeplasterboard.com.au.

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