Magply

MOS BOARD

Timber Frame

Render Systems

Steel Frame Systems

Rainscreen Cladding

Modular Build

Spandrel Panels

SIP Panels

Pattressing

A1
EUROCLASS A1
NON-COMBUSTIBLE
BOARD
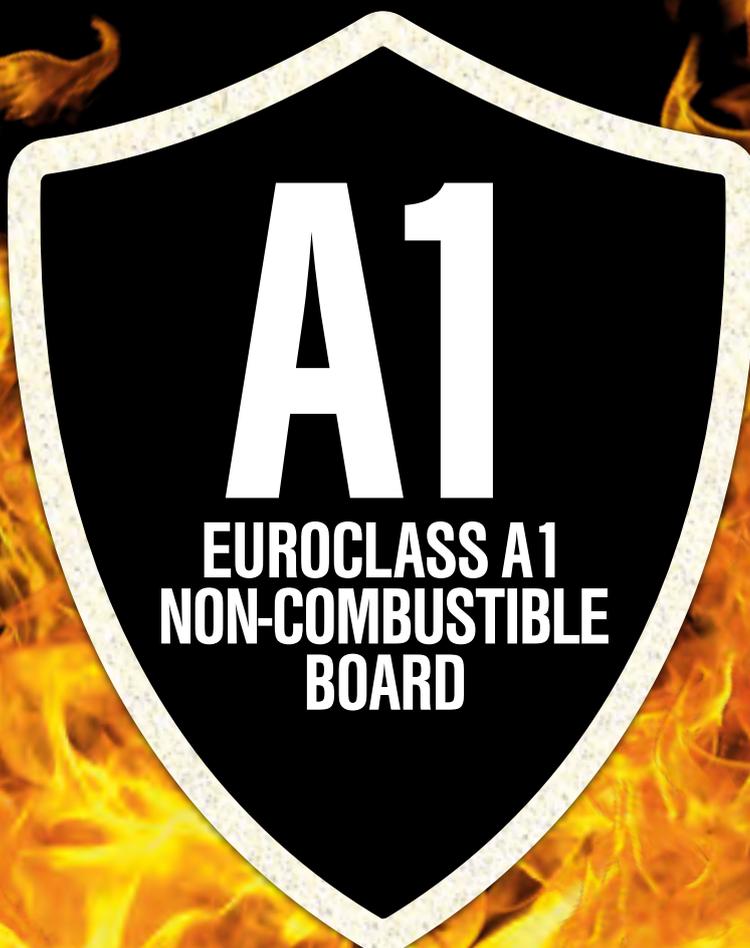
EUROCLASS A1 PERFORMANCE

TESTED TO THE REQUIREMENTS OF BSI PAS 670 / 2021

CE
ETA 17/0976

MOISTURE PROTECTION

STRONG AND EASY TO USE

ENVIRONMENTALLY FRIENDLY

BREATHABLE

MOULD RESISTANT

SOUND REDUCTION

CLASS 0

TIMBER FRAME (Rockwool)

STANDARD: **BS 476: PART 22: 1987** | TEST DATE: **19th JUNE 2015**

91 MINUTES
INTEGRITY

86 MINUTES
INSULATION
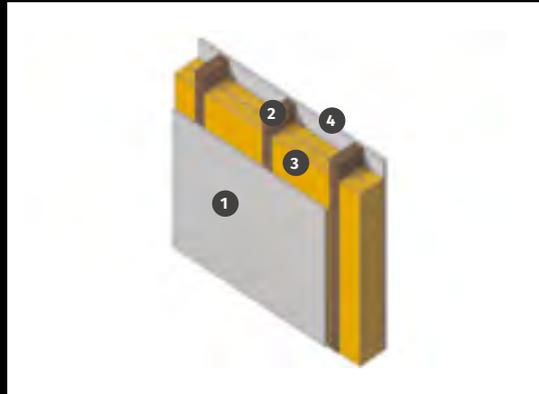
1 9mm Magply

2 38mm x 140mm Section

3 2 x Layers Rockwool

4 15mm Gyroc Fireline

TIMBER FRAME (PIR)

STANDARD: **BS EN 1364 - 1 2015** | TEST DATE: **19th JULY 2016**

75 MINUTES
INTEGRITY

66 MINUTES
INSULATION
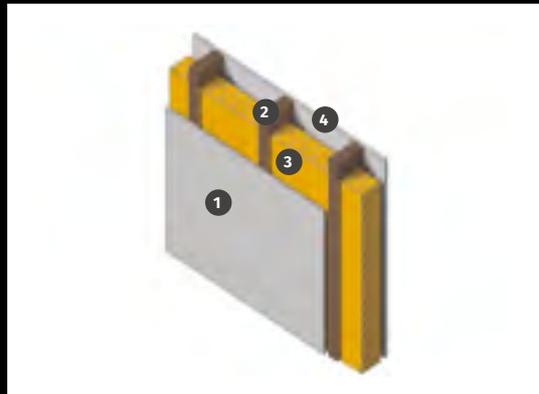
1 9mm Magply

2 38mm x 140mm Section

3 110mm Polyisocyanurate

4 15mm Knauf Fire Panel

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SPANDREL PANEL (UN-INSULATED)

STANDARD: **BS 476: PART 22: 1987** | TEST DATE: **17th FEBRUARY 2018**

132 MINUTES
INTEGRITY

61 MINUTES
INSULATION
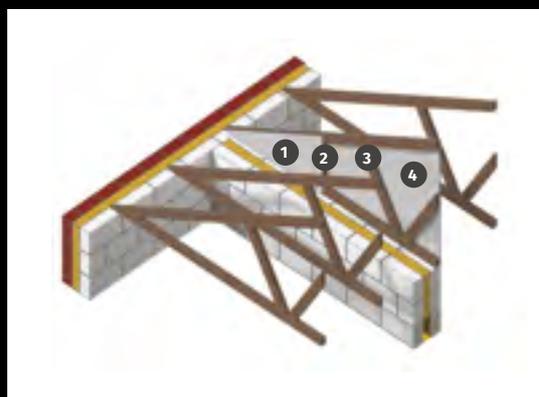
1 12mm Magply

2 100mm Cover Strip

3 38mm x 89mm Section

4 12mm Magply

LOAD BEARING WALL

STANDARD: **BS EN 1365-1: 2012** | TEST DATE: **13th OCTOBER 2016**

67 MINUTES
INTEGRITY

67 MINUTES
INSULATION
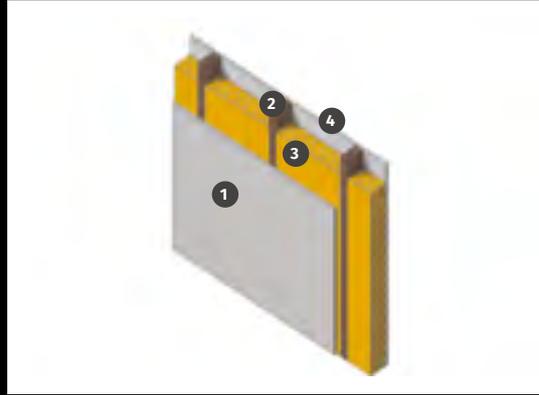
1. 9mm Magply
2. 38mm x 90mm Section
3. Knauf Insulation
4. 9mm Magply

STEEL FRAME PARTITION

STANDARD: **BS EN 1364 - 1 2015** | TEST DATE: **31st MARCH 2017**

90 MINUTES
INTEGRITY

69 MINUTES
INSULATION
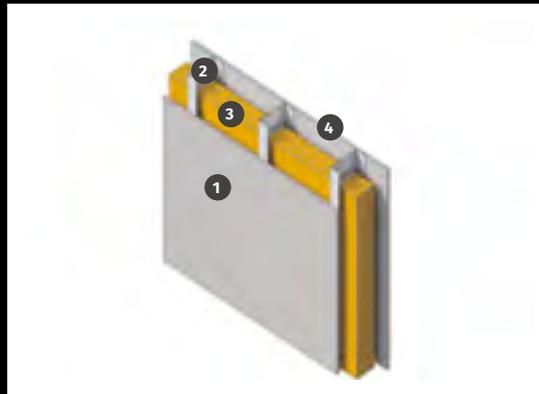
1. 9mm Magply
2. 70mm x 32mm Section
3. 70mm Mineral Wool
4. 9mm Magply

SPANDREL PANEL

STANDARD: **BS476 Part 22:1987 Clause 5** | TEST DATE: **17th AUGUST 2017**

67 MINUTES
INTEGRITY

67 MINUTES
INSULATION
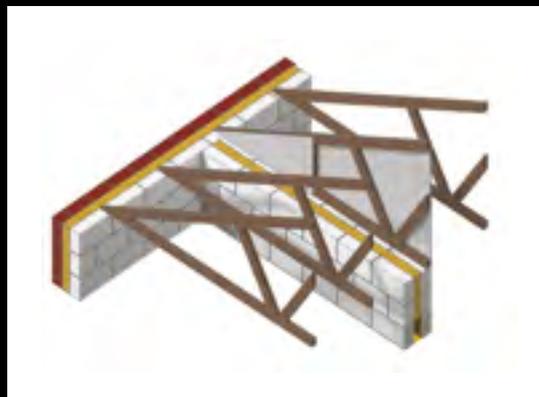
▶ 12mm Magply
▶ 38mm x 89mm Section
▶ 50mm Cavity
▶ 38mm x 89mm Section
▶ 12mm Magply

LOAD BEARING WALL

STANDARD: **BS EN 1365-1: 2012** | TEST DATE: **13th JULY 2018**

65 MINUTES
INTEGRITY

65 MINUTES
INSULATION
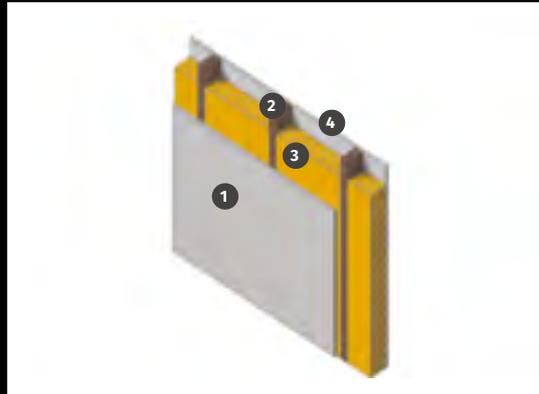
1   12mm Magply

2   38mm x 89mm Timber Frame

3   90mm Knauf Earthwool

4   9mm OSB

LOAD BEARING WALL (Light Gauge steel frame)

STANDARD: **BS EN 1365 - 1: 2012** | TEST DATE: **26th FEBRUARY 2019**

154 MINUTES
INTEGRITY

126 MINUTES
INSULATION
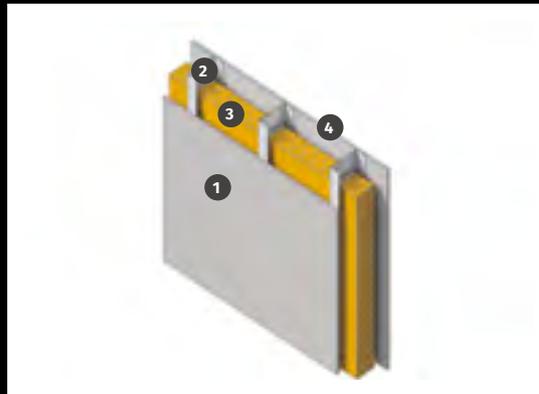
1   12mm Magply with 70mm Internal Cover Strip

2   100mm LGS Frame

3   100mm Rockwool

4   12mm Magply

EXTERNAL CLADDING

STANDARD: **EN 13501-1:2007 A1: 2009** | TEST DATE: **14th JUNE 2016**

A1

A1 CLASSIFICATION OF REACTION TO FIRE PERFORMANCE
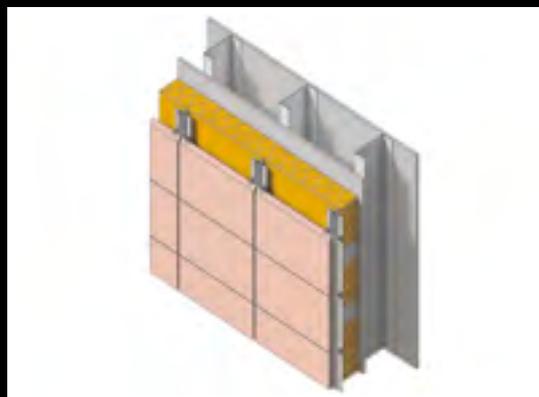
In line with the Building Control Alliance Technical note 18; '*use of Combustible Cladding Materials on residential buildings paragraph 12.7 of AD B2*' - use materials of limited combustibility throughout the cladding system.

Introduction

The Magply Euroclass A1 board can be used as a fire mitigation sheathing board for Timber Frame, Steel Frame, Rainscreen Cladding, SIP Panels, Spandrel Panels and Modular Build.

Magply features a magnesium oxysulfate formulation which is manufactured from a production process that ensures a very low chloride content enhancing both stability and durability. Magply carries internationally recognised accreditations confirming the boards' ability to deliver fire integrity, racking strength, impact and pull-out resistance.

Thicknesses Available (mm): 3,6,9,12,18,20 (2400mm x 1200mm sheets)

Thickness (mm)	Width (mm)	Length (mm)	Weight per board (Kg)	Surface m²
6	1200	2400	19	2.88
9	1200	2400	28.5	2.88
		2700	32	3.24
12	1200	2400	38	2.88
18	1200	2400	56	2.88
20	1200	2400	63	2.88

Fire Classification	Class 0 Euroclass EN13501* A1 (Non-Combustible)
Reaction to Fire	Passed BS EN 1716 Reaction to Fire* Passed
Appearance	Solid flat sheet board
Colour & Odour	White, Odourless Change of State None
Vapour Resistance	Vapour Resistance 0.31 MNs/g (EN ISO 12572*)
Melting point	Melting point: 2400°C
Solubility	Solubility: Insoluble in Water
Acoustic	9mm Rw 28dB 12mm Rw 29dB 20mm Rw 31dB EN ISO 717-1:2013

For more information on testing please contact the Magply Technical line: 01621 776 252

Magply

MOS BOARD

TESTED & CERTIFIED BY

BBA APPROVAL INSPECTION TESTING CERTIFICATION
UKTA - 23/6858

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insight creating advantage

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BYGNINGSFYSIK

Exova

ASSOCIATIONS

LIGHT STEEL FRAME ASSOCIATION
SUPPLY CHAIN MEMBER

M
MOBBTA

FOR MORE INFORMATION

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