







## PROMINA® 60

### Fire barrier for open kitchen concept next to exit door (FRR -/30/30, BS 476: part 22)

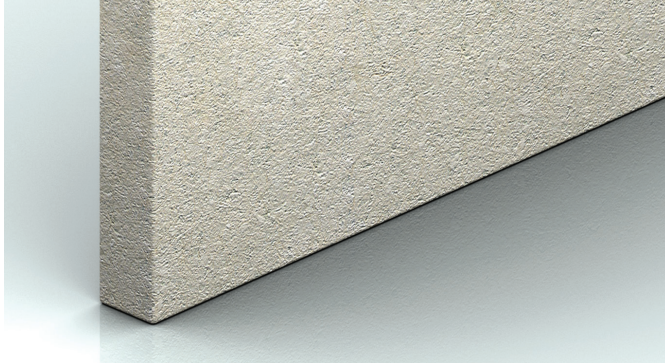
Since the requirement of an open kitchen barrier by the Hong Kong regulation\* is a full height wall having an FRR -/30/30 should be produced adjacent to the flat exit door, our PROMINA® 60 fire resistant barrier could be an ideal option to consider. It can form a boundary in open kitchen to stop the fire propagation and therefore let the occupants escape safely and the rescue team, such as fire brigade, start intervention.

\* Code of Practice 2011 For Fire Safety in Buildings 2011

# Promat

## PROMINA® 60

Calcium silicate fire resistant board



### Product description

PROMINA® 60 is a non combustibile matrix engineered mineral board reinforced with selected fibres and fillers. It does not contain formaldehyde or any asbestos. The product is dimensionally stable and resistant to the effects of moisture. Its performance characteristics are not degraded by moisture. PROMINA®60 is suitable for internal use in high humidity conditions and external semi-exposed use. For fully exposed conditions, consult Promat Technical Department.

### Manufacturing Certification

PROMINA® 60 is manufactured under a quality management system certified in accordance with ISO 9001:2015. The manufacturing site is also certified to meet the environmental standards of ISO 14001:2015 and the occupational health & safety requirements of ISO 45001:2018.

### Fire Resistant Applications

- Internal drywalls
- Internal lining to external walls
- Suspended and self-supporting hanger free ceilings
- Cladding to steel sheet metal ducts
- Enclosures to Pipes & services
- Smoke screens

Material properties	
<b>General description</b>	Calcium Silicate board fire resistant board
<b>Surface condition &amp; appearance</b>	Light beige colour Front face: smooth Back face: sanded
<b>Nominal dry density (average)</b>	Approx. 1000kg/m <sup>3</sup>
<b>Moisture Content</b>	Approx. 6.0% The moisture content varies and will reach an equilibrium over time with the atmospheric relative humidity of the environment
<b>Alkalinity</b>	Approx. pH 12
<b>Thickness tolerance</b>	Compliant with thickness tolerance of CE requirements (9mm thick standard sheets, +/-0.5mm)
<b>Dimension tolerance</b>	±5mm (standard board dimensions)

Static Values			
Modulus of Elasticity E	Flexural Strength F	Tensile strength T	Compressive strength $\perp$
Longitudinal: 4.1kN/mm <sup>2</sup> Transverse: 4.1kN/mm <sup>2</sup>	Longitudinal: 10.0N/mm <sup>2</sup> Transverse: 7.0N/mm <sup>2</sup>	Longitudinal: 4.1N/mm <sup>2</sup> Transverse: 2.1N/mm <sup>2</sup>	7.76N/mm <sup>2</sup>

Reaction to Fire & Thermal Properties		
Combustibility	Surface burning	Thermal conductivity
A1 Classification: EN 13501-1 Non-combustible: BS 476: Part 4	Class 0: BS 476: Part 6 & 7	0.136W/m <sup>2</sup> K

**Promat****PROMINA<sup>®</sup> 60**

Calcium silicate fire resistant board

<b>Standard thickness</b>	<b>Standard dimension</b>	<b>Number of boards per pallet</b>	<b>Surface area per pallet</b>	<b>Weight of standard sheet</b>	<b>Weight per pallet</b>
9mm	2440mm x 1220mm	61	181.5m <sup>2</sup>	Approx. 30kg	Approx. 1970kg
12mm	2440mm x 1220mm	46	136.9 m <sup>2</sup>	Approx. 40kg	Approx. 1981kg
15mm	2440mm x 1220mm	36	107.2 m <sup>2</sup>	Approx. 50kg	Approx. 1941kg

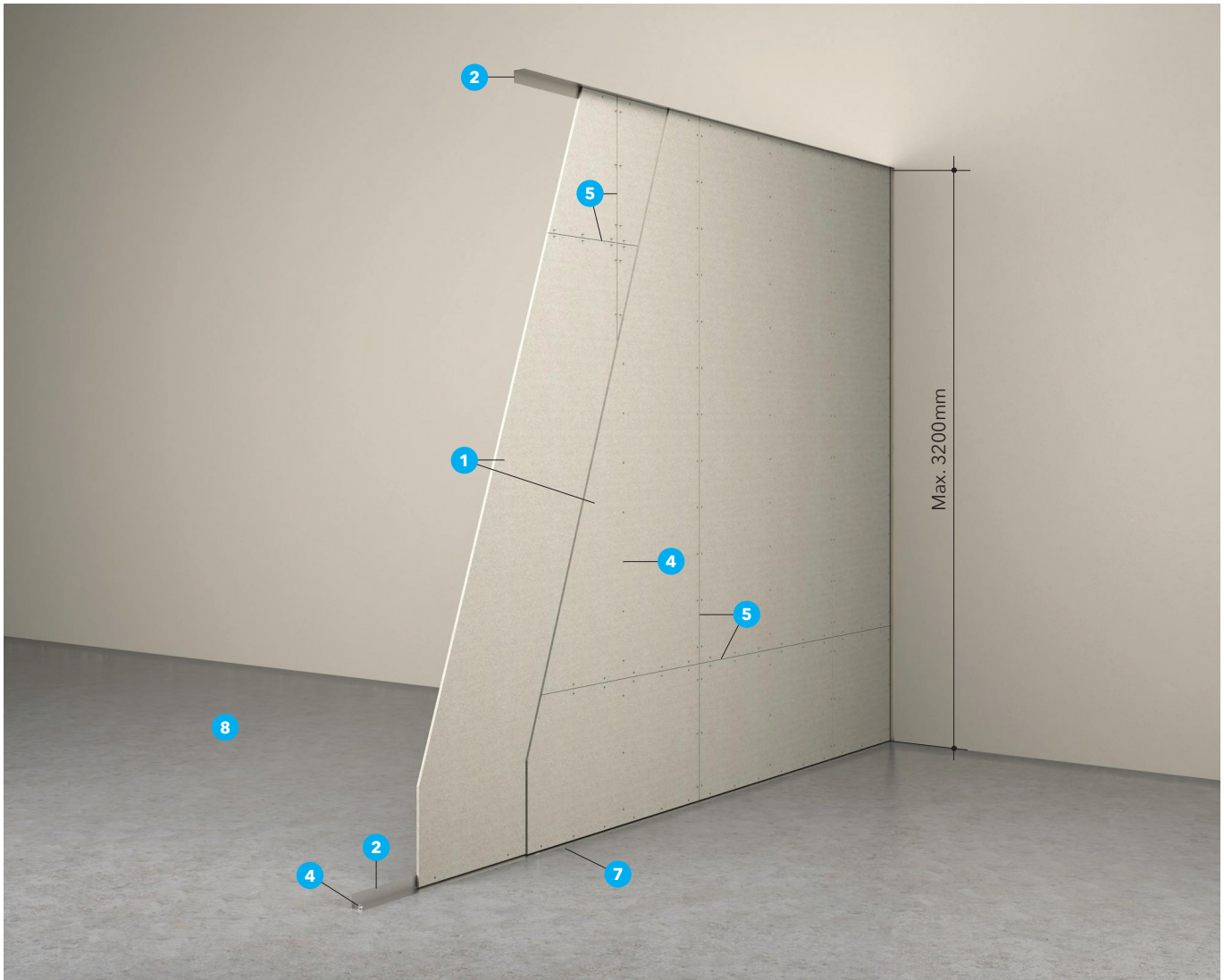
All physical and mechanical values are averages based on standard production and tested according to internal procedures. The typical values are given for guidance. The figures can change dependent on the test methods used. If a particular value is of prime importance for a specification, please consult Promat Technical Department.



**PROMINA® 60 (-/30/30) fire rated solid partition**

Resisting fire from either side / Non loadbearing

Fire Resistance	FRR	-/30/30	System code: PMF.23.30.BS
	Standard	BS 476: Part 22: 1987	
Construction	Partition thickness	Nominal 22mm	



- 1. PROMINA® 60 board 12mm thick + 9mm thick installed in staggered joints between boards.
- 2. Steel L-angle min. 50 x 50 x 1.0mm thick.
- 3. M4 self-tapping screws at nominal 200mm centers.
- 4. M6 all steel anchors bolts at nominal 500mm centres.
- 5. Line indicate board joints
- 6. Mineral wool seal (optional)
- 7. PROMASEAL®-A Acrylic Sealant to seal gaps on irregularities surface.
- 8. Concrete wall/floor slab.

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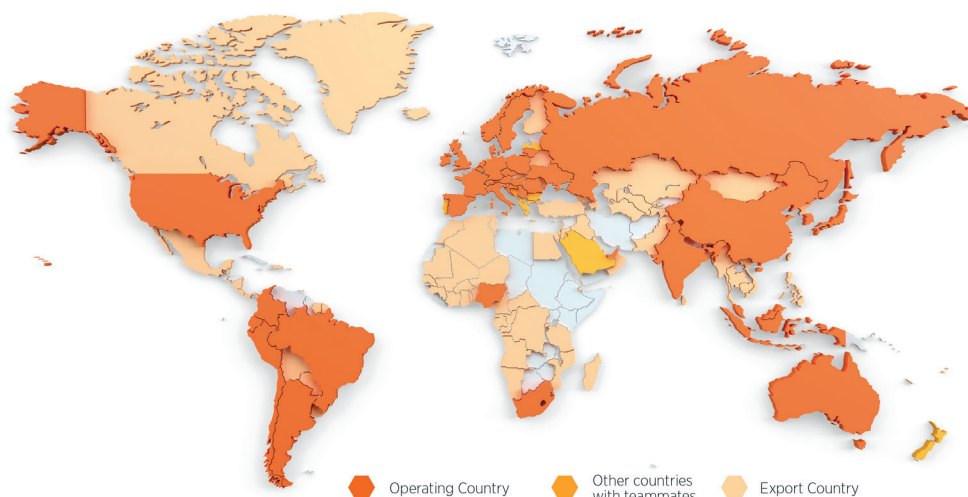
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Etex is an international building materials specialist; the company wants to inspire people around the world to build living spaces that are ever more safe, sustainable, smart and beautiful. Founded since 1905 and headquartered in Belgium, Etex currently operates in 110 production sites in 42 countries with over 11,000 employees globally.

Etex fosters a collaborative and caring culture, a pioneering spirit and a passion to always do better for its customers. Building on its experience and global market needs, the company strives to improve its customers quality of living with ever more effective lightweight solutions.

Its three R&D centres support four global sales divisions:

- Building Performance: Leader in plasterboards and fibre cement boards, and the global reference in passive fire protection solutions for the residential and commercial segments.
- Exteriors: Provider of innovative, durable, high performance and beautiful fibre cement exterior materials for architectural, residential and agricultural projects.
- Industry: Front runner of engineering expertise to drive the future of high performance thermal and acoustic insulation as well as passive fire protection in the industrial, aerospace and energy sectors.
- New Ways: As a new division created in January 2020, New Ways offers high-tech offsite modular solutions based on wood and steel framing.

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