

General Description

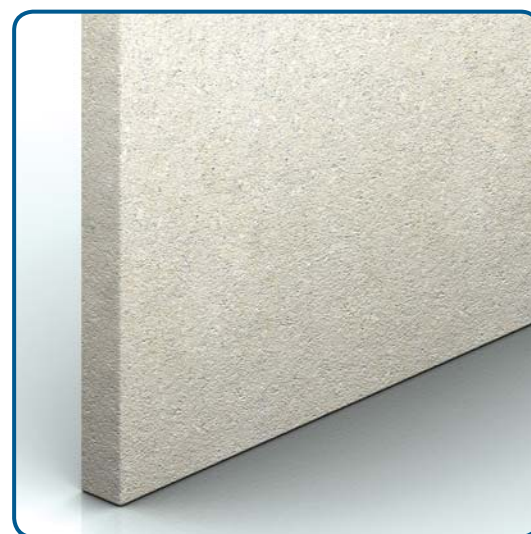
PROMINA® 60 is a non combustible matrix engineered mineral board reinforced with selected fibres and fillers. It does not contain formaldehyde.

PROMINA® 60 is beige in colour and has a smooth finish on one face with a sanded reverse face. The board can be left undecorated or easily finished with paints, wallpapers or tiles.

PROMINA® 60 is resistant to the effects of moisture and will not physically deteriorate when used in damp or humid conditions. Performance characteristics are not degraded by age or moisture.

PROMINA® 60 can be produced with bevelled edges for butt jointing purposes.

A health and safety data sheet is available from Promat and, as with any other material, should be read before working with the board. The board is not classified as a dangerous substance so no special provisions are required regarding the transportation and the disposal of the product to landfill. They can be placed in on-site rubbish skips with other general building waste which should then be disposed by a registered contractor in the appropriate and approved manner.



Typical Mechanical Properties

Modulus of elasticity, E (BS EN 310: 1993)	Longitudinal N/mm ² Transverse N/mm ²	4599 3817
Flexural strength, F _{rupture} (BS EN 310: 1993)	Longitudinal N/mm ² Transverse N/mm ²	7.52 5.15
Tensile strength, T _{rupture} (BS 5669: Part 1: 1989)	Longitudinal N/mm ² Transverse N/mm ²	5.99 5.17
Compressive strength (average, perpendicular on board face) (BS 5669: Part 1: 1989)	N/mm ²	7.76

Annotation and/or video of the applications is available in digital format. For system details, please refer to <http://www.promat-ap.com>. For general information of cutting, fixing, fabrication, flush jointing and finishing of these systems, please refer to pages 37 to 43 of the 2012 edition handbook.

Applications

- Steel/timber stud partitions
- Self-supporting ceilings, suspended ceilings
- M&E services enclosure, riser pipes enclosure
- Smoke barrier, parapet/spandrel wall
- Fire doors

General Technical Properties

Product generic description		Matrix engineered mineral board
Material class (DIN 4102: Part 1: 1998, BS 476: Part 4: 1970 and AS 1530: Part 1: 1994)		Non combustible
Surface spread of flame	(BS 476: Part 7: 1997) (AS 1530: Part 3: 1989)	Class 1 Class 0,0,0,0
Building regulations classification		Class 0
Nominal density at EMC* (average)	kg/m ³	1000
Alkalinity (approximate)	pH	9
Thermal conductivity (approximate) at 40°C (ASTM C518: 1991)	W/m ² K	0.136
Coefficient of expansion	m/mk	-7.5 x 10 ⁻⁶
Nominal moisture content at EMC*		8%
Thickness tolerance of standard boards	mm	- 0.5, +1
Length x Width tolerance of standard boards	mm	± 5
Surface condition		Front face: smooth Back face: sanded

Thickness (mm)	Standard dimensions (mm x mm)	Number of boards per pallet	Surface per pallet (m ² /pallet)	Weight per m ² of sheet (approximate kg/m ²)	Weight per pallet (approximate kg)
6	2440 x 1220	90	267	6	1730
9	2440 x 1220	61	181	9	1760
12	2440 x 1220	46	137	12	1775
15	2440 x 1220	36	107	15	1733

*EMC: Equilibrium moisture content. The properties in above tables are mean values given for information and guidance only. If certain properties are critical for a particular application, it is advisable to consult Promat.

PROMINA® 60 is manufactured under a quality management system certified in accordance with ISO 9001: 2008. The product has passed the site audit in accordance with the environmental standards of ISO 14001: 2004 and occupational health and safety requirements of OHSAS 18001: 2007.

AS WITH MOST BUILDING PRODUCTS, THIS PRODUCT CONTAINS QUARTZ. MECHANICAL MACHINING (CUTTING, SANDING, DRILLING) OF BUILDING PRODUCTS WILL RELEASE DUST WHICH MAY CONTAIN QUARTZ PARTICLES. HOWEVER, FOR THIS PRODUCT, WITH EXPOSURE ASSESSMENTS PERFORMED BY ACCREDITED EUROPEAN LABORATORIES USING REFERENCE WORKPLACE MONITORING METHODS, ANY QUARTZ LEVELS IN THE RESPIRABLE DUST WERE BELOW THE DETECTION LIMITS. INHALATION OF HIGH CONCENTRATIONS OF DUST MAY IRRITATE THE RESPIRATORY SYSTEM. DUST MAY ALSO CAUSE IRRITATION OF THE EYES AND/OR SKIN. INHALATION OF RESPIRABLE DUST CONTAINING QUARTZ, IN HIGH CONCENTRATIONS OR OVER PROLONGED PERIODS OF TIME CAN LEAD TO LUNG DISEASE (SILICOSIS) AND AN INCREASED RISK OF LUNG CANCER. AVOID INHALATION OF DUST BY USING MACHINERY WITH DUST EXTRACTION. GUARANTEE ADEQUATE VENTILATION ON THE WORK FLOOR. AVOID CONTACT WITH THE EYES AND SKIN AND AVOID INHALATION OF DUST BY WEARING APPROPRIATE PERSONAL PROTECTION GEAR (SAFETY GOGGLES, PROTECTIVE CLOTHING AND DUST MASK). FOR MORE INFORMATION PLEASE CHECK THE APPROPRIATE MATERIAL SAFETY DATA SHEET, AVAILABLE UPON REQUEST.