

General Description

PROMINA® 60 is a non-combustible matrix engineered mineral board reinforced with selected fibres and fillers. It is formulated without inorganic fibres and does not contain formaldehyde.

PROMINA® 60 is beige in colour and has a smooth finish on one face with a dimple pattern on the reverse face. PROMINA® 60 provides an architectural surface ready to receive most forms of decoration. PROMINA® 60 can be left undecorated or easily finished with paints, wallpapers or tiles. Please consult the Promat Technical Department for more information.

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.

A health and safety data sheet is available from the Promat Technical Department and, as with any other materials, 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 carriage and the disposal of the product to landfill. They can be placed in an on-site skip with other general building waste which should then be disposed by a registered contractor.



Typical Mechanical Properties

Modulus of elasticity, E (BS EN 310: 1993)	Longitudinal	N/mm ²	4599
	Transverse	N/mm ²	3817
Flexural strength, F _{rupture} (BS EN 310: 1993)	Longitudinal	N/mm ²	7.52
	Transverse	N/mm ²	5.15
Tensile strength, T _{rupture} (BS5669: Part 1: 1989)	Longitudinal	N/mm ²	5.99
	Transverse	N/mm ²	5.17
Compressive strength (average, perpendicular on board face) (BS5669: Part 1: 1989)		N/mm ²	7.76

Applications

- Ceilings, floors and roofs
- Partitions and external walls
- Fire resistant glazing
- Smoke barriers
- Electrical and mechanical services enclosures

General Technical Data

Product generic description				Matrix engineered mineral board		
Material class				Non-combustible to DIN4102: Part 1, BS476: Part 4 and AS1530: Part 1.		
Surface spread of flame				Class 1 to BS476: Part 7 and 0,0,0,0 to AS1530: Part 3.		
Building regulations classification				Class 0		
Nominal density at EMC* (average)			kg/m ³	1000		
Alkalinity (approximately)			pH	9		
Thermal conductivity (approximately) 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: dimple pattern		
Thickness (mm)	Standard dimensions (mm x mm)	Number of boards per pallet	Surface per pallet (m ² /pallet)	Weight per m ² of sheet, dry (approximately) (kg/m ²)	Weight per m ² of sheet at 20°C, 65% RH (approximately) (kg/m ²)	Weight per pallet (approximately) (kg)
6	2440 x 1220	90	267	6	6.48	1730
9	2440 x 1220	61	181	9	9.72	1760
12	2440 x 1220	46	137	12	12.96	1775
15	2440 x 1220	36	107	15	16.2	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 your nearest Promat Technical Department.

PROMINA® 60 is manufactured under a quality management system certified in accordance with ISO9001: 2000 Certification and in accordance with the environmental standards of ISO14001. For further technical information, please consult Promat.

GENERAL NOTE: AS 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 AIRWAYS. 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 THE 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 SAFETY DATA SHEET, AVAILABLE UPON REQUEST.