

INTRODUCTION

Promat PROMAFORM® is a range of alumino silicate refractory ceramic fibre boards with classification temperatures of 1200°C and 1400°C.

Mechanical properties	Promat PROMAFORM® 1200	Promat PROMAFORM® 1400
Colour	White	White
Classification temperature	1200°C	1400°C
Nominal density	320kg/m³	270kg/m³
Linear shrinkage, 24 hours	2.7% at 1100°C	3.5% at 1300°C
Thermal conductivity	400°C 0.08W/mK 600°C 0.11W/mK 800°C 0.16W/mK 1000°C 0.22W/mK	0.09W/mK 0.12W/mK 0.17W/mK 0.25W/mK
Loss on ignition	6.2%	6%
Typical composition	Al ₂ O ₃ 42.1% SiO ₂ 52.4% ZrO ₂ – Organic 5.5%	33.3% 42.7% 13.2% 4.0%

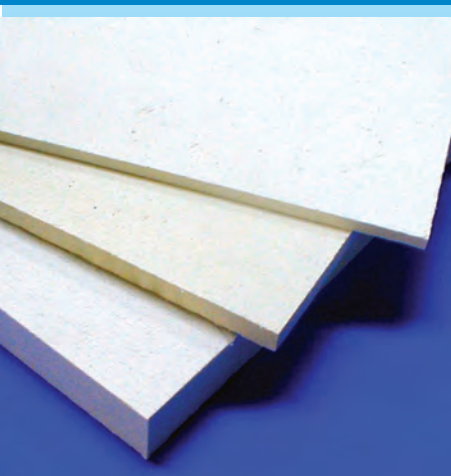
ADVANTAGES

- Good thermal shock resistance
- High mechanical strength
- Low thermal conductivity
- Easy to cut and handle

Standard sizes	
Thicknesses (mm)	5, 10, 15, 20, 25, 40, 50, 60, 70, 80, 90, 100
Width (mm)	610
Length (mm)	1000

APPLICATIONS

- Kiln and furnace linings
- Back-up insulation
- Aluminium transfer launders
- Refractory construction
- Domestic heating appliances
- Roller seals
- Smelting and heat holding crucibles



HEALTH AND SAFETY

A safety data sheet is available from the Promat Technical Services Department and, as with any other materials, should be read before working with the board. The board is not classified as a dangerous substance and so no special provisions are required regarding the carriage and disposal of the product to landfill. They can be placed in an on-site skip with other general building waste which should be disposed of by a registered contractor.