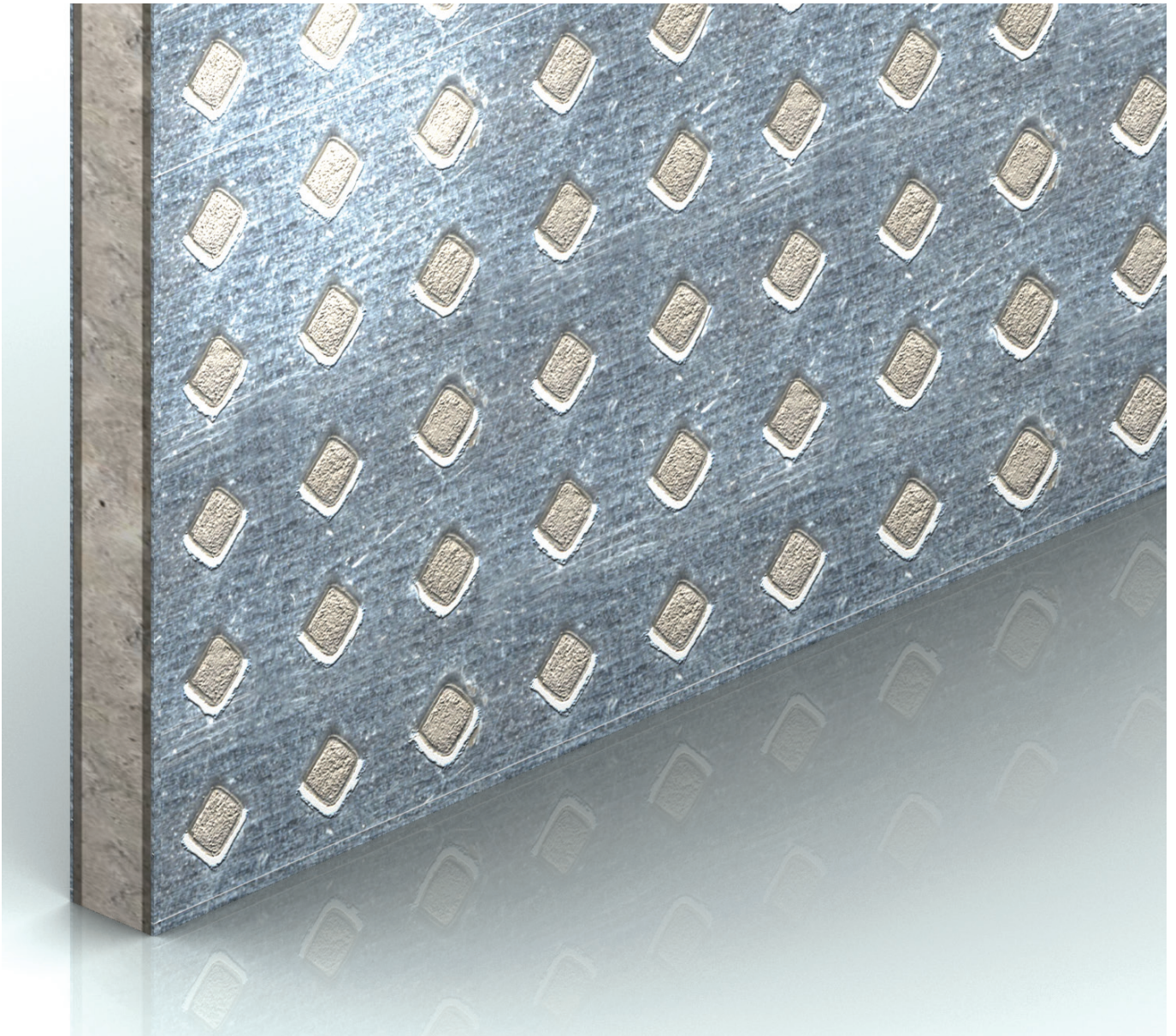


DURASTEEL®

Cement/Steel Composite Board



QUALITY ASSURANCE

Promat products are manufactured to stringent quality control systems to assure that our customers receive materials made to the highest standards.

Operating to these standards means that all activities, which have a bearing upon quality, are set out in written procedures.

Systematic and thorough checks are made on all materials and their usage. Test equipment is subjected to regular checks and is referred back to national standards.

The information given in this data sheet is based on actual tests and is believed to be typical of the product. No guarantee of results is implied however, since conditions of use are beyond our control.

HEALTH & SAFETY

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.

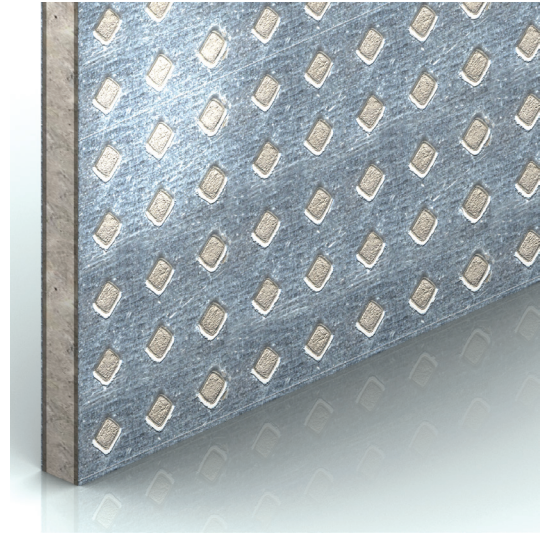
A safety data sheet is available from Promat upon request.

INTRODUCTION

DURASTEEL® is a composite board manufactured with a fibre reinforced cement core, with outer facings of 0.5mm perforated galvanised steel mechanically bonded to each surface of the core. Other steel finishes such as stainless steel are also available for use where greater resistance to corrosion is required.

DURASTEEL® systems combine lightness, strength, impact resistance and durability with exceptional fire resistance. These systems remain resistant to firefighter hoses leaving the board capable of performing their function should fire services be required to withdraw before a fire is extinguished.

DURASTEEL® systems have been used successfully for many years, including rail and metro projects, military facilities and in commercial, pharmaceutical and petrochemical plants.



GENERAL TECHNICAL DATA

Designation	Cement and Steel Composite Board	
Thickness	mm	6, 9.5
Combustibility	ISO 1182: 2002 BS 476: Part 4: 1970 AS 1530: Part 1: 1994	Non-combustible
Surface spread of flame	BS 476: Part 7: 1997	Class 1
Building regulations classification		Class 0
Alkalinity (approximately - core)	pH	10 - 13
Thermal conductance (approximately) λ	W/m ² K	60 (9.5mm)
Coefficient of expansion (20-100°C)	m/mK	15 x 10 ⁻⁶ (9.5mm)
Nominal moisture content (air-dried)	%	6
Alkalinity (approximate)	pH	ca. 10
Thickness tolerance of standard boards	mm	±1.0 (9.5mm)
Length x Width tolerance of standard boards	mm	±2.0

MECHANICAL PROPERTIES

Flexural strength $F_{rupture}$	6mm	Average, dry	N/mm ²	109
Flexural strength $F_{rupture}$	9.5mm	Average, dry	N/mm ²	84
Modulus of elasticity E	6mm	Average, dry	N/mm ²	55000
Modulus of elasticity E	9.5mm	Average, dry	N/mm ²	40000

APPLICATIONS

- Blast resistant walls
- Impact resistant walls
- Fire resistant walls

BOARD WEIGHTS

Thickness (mm)	Length x Width (mm)	Approximate Weight (Kg/m ²)	
		Dry	With approx. 6% moisture
6	2500 x 1200	15.9	16.8
9.5	2500 x 1200	19.8	21.0

Promat

UAB "Eternit Baltic"
J. Dalinkevičiaus g. 2H
LT-08115 Naujoji Akmenė
Lithuania