

PROMATECT®-250 IS AN A1 NON-COMBUSTIBLE MINERAL BOUND LIGHT WEIGHT CALCIUM SILICATE BOARD, FOR INTERNAL USE IN STRUCTURAL STEELWORK PROTECTION AND MEZZANINE FLOOR SYSTEMS WITH FIRE PROTECTION OF UP TO 120 MINUTES.

PROMATECT®-250 has a smooth matt upper surface and is off-white in appearance. It can be left undecorated or can be easily decorated with paints.

PROMATECT®-250 provides a high degree of strength, dimensional stability, and fire performance to structural steelwork for fire periods of up to 120 minutes and is tested to EN 13381-4: 2013.

It is formulated with organic fibres and has a mineral composition without any volatile organic chemical used as additives during the manufacture.

PROMATECT®-250 also offers a unique, quick installation solution for the fire protection of lightweight mezzanine floor constructions for fire periods of up to 120 minutes.

PROMATECT®-250 has a maximum continuous operating temperature of 45°C, the boards must be protected from freezing and excessive temperatures and can only be installed in fully dry internal environments.

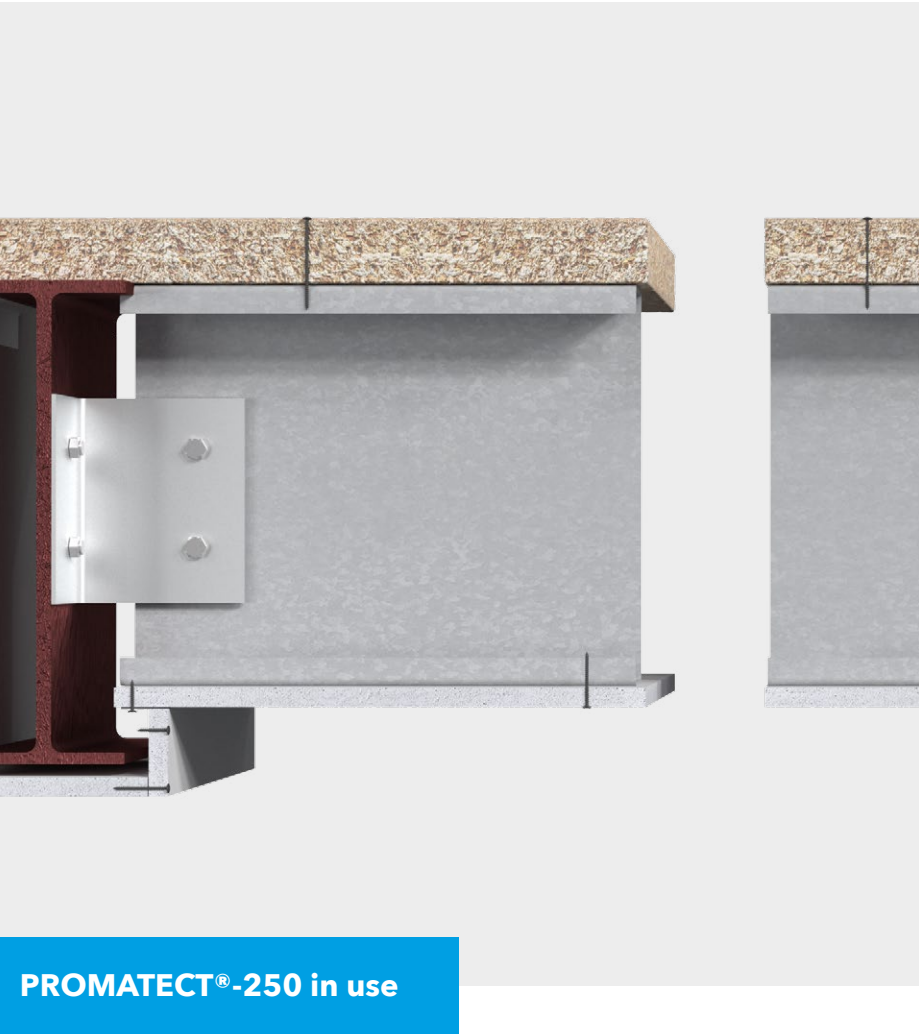
TABLE 1.7. BOARD FORMAT DATA

Thickness (mm)	Length x Width (mm)	Edge Format	Approximate Weight (@ 23°C, 50% RH, kg/m²)
15	2500x1200	Square	11.4
20	2500x1200	Square	15.2
25	2500x1200	Square	19.0

TABLE 1.8. TYPICAL MECHANICAL PROPERTIES¹

Flexural strength (Modulus Of Rupture)	Average, Dry	N/mm²	3.0
Tensile strength (Perpendicular)	Average, Dry	N/mm²	0.043
Tensile strength (Parallel)	Average, Dry	N/mm²	1.208
Compressive strength	Average, Dry	N/mm²	6.6

For details of our fire protection systems using PROMATECT®-250 please visit section 2 and 3 of this handbook, or visit our website, which includes the latest certification in our documentation centre.



PROMATECT®-250 in use

TABLE 1.9. GENERAL TECHNICAL DATA¹

Designation	Calcium Silicate
Reaction to fire (To BS EN 13501-1)	A1 non-combustible
Nominal dry density (average) kg/m³	750
Nominal density at 23°C, 50% RH (average) kg/m³	760
Dimensional stability (To BS EN 318)	Dimensionally stable
Thickness tolerance of standard boards (mm)	±0.5
Length x Width tolerance of standard boards (mm)	+0/-3.0
Surface condition: Front face	Smooth, matt
Back face	Slightly coarse

APPLICATIONS

- For Mezzanine floor systems where up to 120 minutes fire resistance is required.
- For structural steelwork where up to 120 minutes fire protection is required;
- Fire Protection of structural steelwork
 - Universal columns and beams (I or H sections) and joists
 - Beams supporting composite floors with profiled metal decking
 - Structural Hollow Sections
 - Lattice Beams
 - Bracing
 - Fire Protection of wind posts

¹ Reference ETA 08/0161. All physical property values are averages based on standard production. As our products are subject to continuous improvement, for current details of the product properties and system applications, please visit our **PROMATECT®-250** product page on our website, or scan the QR code below.



SCAN ME

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. Board off-cuts and waste can be placed in an on-site skip with other general building waste, which should be disposed of by a registered contractor.

A SAFETY DATA SHEET IS AVAILABLE FROM [PROMAT.COM/DOCUMENTATION](https://www.promat.com/documentation) AND, AS WITH ANY OTHER MATERIALS, SHOULD BE READ BEFORE WORKING WITH THE BOARD.