

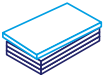
Promat



Product Portfolio Guide

The Promat Product Range

BOARDS



The world's leading producer of calcium silicate and mineral bound matrix fire protection boards based on PROMAXON® patented technology. Promat offers one of the most complete and efficient ranges of boards on the market.

Promat boards include a number of features allowing specification with confidence:

- Non-combustible
- Fully tested and third party certified
- Thermal insulation due to heat absorption properties
- Resistant to humidity and impact
- Durable
- Easy installation
- Complete product traceability

ADHESIVES



Promat offers a range of adhesives and coatings, which, combined with Promat systems, deliver the fire resistance and durability.

FIRE STOPPING



Promat's range of fire stopping products includes sealants and liquid coatings, compounds, collars and fire barriers.

Promat products are tested to European and British Standards and hold Third Party Certification.

Promat: Specified for a reason



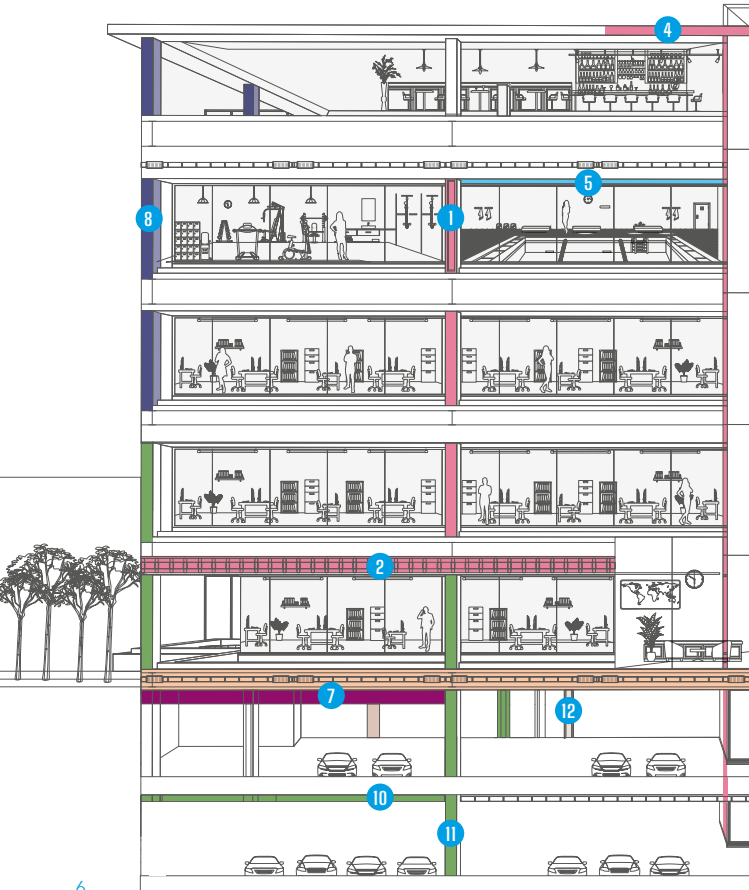
CERTIFICATION & FIRE TESTING



Our products and solutions go through extensive fire testing, which provides primary data that underpins the Third Party Certification across the Promat range. A passive fire protection solution from Promat gives people precious time to escape the building when fire breaks out. This helps firefighters to save lives, whilst also protecting company assets.

Promat from top to bottom

An overview of Promat applications



COMPARTMENTATION

- SUPALUX®
Up to 240 minutes fire protection
- 1 Compartment walls
- 2 Timber floors
- 3 Shaftwall
- 4 Protected zones
- MASTERBOARD®
Up to 30 minutes fire protection
- 5 Swimming pool ceiling
- PROMATECT®-250
Up to 120 minutes fire protection
- 6 Mezzanine floors

- PROMAT TL & TLF®
- 7 Concrete slab

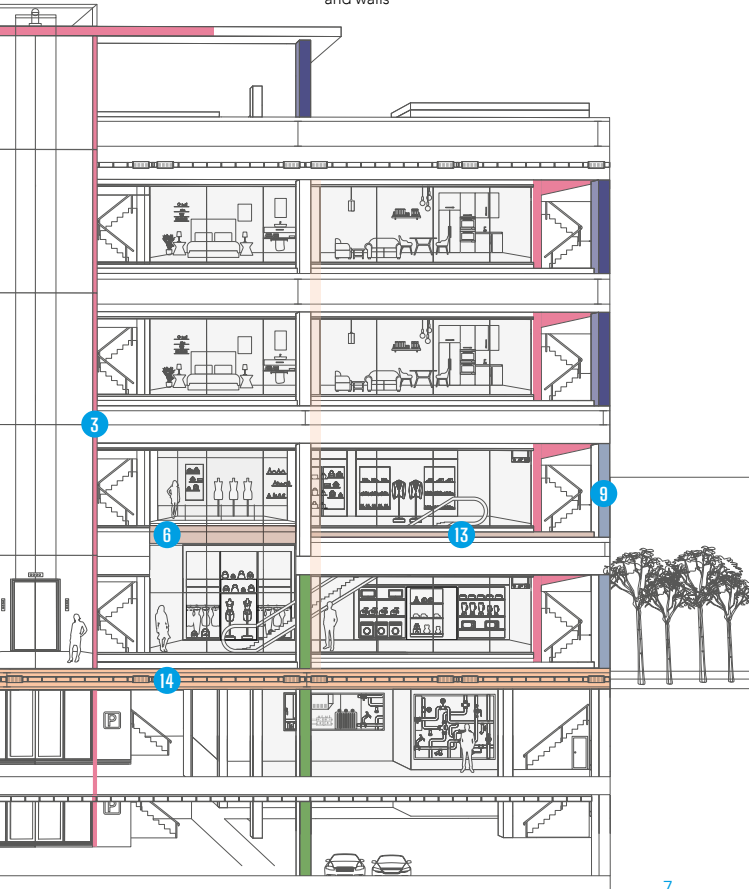
STRUCTURAL PROTECTION

- VERMICULUX®-S
Up to 240 minutes fire protection
- 8 Structural steel
- PROMATECT®-XW
Up to 60 minutes fire protection
- 9 Structural steel
- PROMATECT®-H
Up to 240 minutes fire protection
- 10 Concrete slab and beams
- 11 Concrete columns and walls

- PROMATECT®-250
Up to 120 minutes fire protection
- 12 Wind posts
- 13 Structural steel

CABLE & DUCT PROTECTION

- PROMATECT®-L500
Up to 240 minutes fire protection
- 14 Cable and duct protection



Fire Protection Boards

A comprehensive range of boards for use in systems that can provide passive fire protection from 30 to 240 minutes. Proven and trusted for a wide range of application needs for the construction industry.

PROMATECT®-H



PROMATECT®-H is an A1 non-combustible calcium silicate board reinforced with selected fibres and fillers and does not contain formaldehyde.



**UP TO 240
MINUTES FIRE
PROTECTION**

Typical applications:

- Protection of concrete columns and beams
- Upgrade of concrete slabs
- Upgrade of concrete walls

SUPALUX®



**UP TO 240
MINUTES FIRE
PROTECTION**

SUPALUX® is a versatile, A1 non-combustible fire resistant board, used in systems capable of 240 minutes fire protection. It is made from calcium silicate, reinforced with selected fibres and fillers. It is formulated without inorganic fibres and does not contain formaldehyde. SUPALUX® is off-white in colour and has a smooth sanded surface on one face with a lightly textured reverse face.

Typical applications:

- Timber and steel frame and solid partitions
- Fire protection to timber floors
- Ceiling linings
- Shaftwalls
- Protected zones

PROMATECT®-XW



PROMATECT®-XW is a high performance fire protection board, providing up to 60 minutes fire protection to structural steel. PROMATECT®-XW has permanent dimensional stability, reducing the speed at which steelwork heats in the event of a fire, allowing the steel to maintain its load bearing capacity.



**UP TO 60
MINUTES FIRE
PROTECTION**

PROMATECT®-XW has a smooth impact resistant finish which can be decorated with a plastercoat or paint if required. It combines excellent weather resistance with quick installation, and can be installed before the building is weathertight for up to 6 months, with no impact on fire performance.

Typical applications:

- Universal columns and beams (I or H sections) and joists
- Beams supporting composite floors with profiled metal decking
- Structural hollow sections
- Perimeter beams
- Lattice beams
- Bracing

VERMICULUX®-S



**UP TO 240
MINUTES FIRE
PROTECTION**

VERMICULUX®-S is an A1 non-combustible calcium silicate board which provides up to 240 minutes fire protection to structural steel. VERMICULUX®-S has permanent dimensional stability, so in the event of a fire it reduces the speed at which the steelwork will heat up, allowing it to maintain its load bearing capacity for longer.

Typical applications:

- Structural steelwork

PROMATECT®-250



**UP TO 120
MINUTES FIRE
PROTECTION**

PROMATECT®-250 is a PROMAXON® mineral bound board, used for fire protection of structural steel and steel joisted mezzanine floor constructions. PROMATECT®-250 is off-white in colour and has a smooth surface for ease of decoration.

Typical applications:

- Structural steelwork
- Mezzanine floors
- Wind posts

MASTERBOARD®



MASTERBOARD® is an A1 calcium silicate board reinforced with selected fibres and fillers. It is formulated without inorganic fibres and does not contain formaldehyde. It is off-white in colour and has a smooth sanded finish on one face with a lightly textured reverse. It can be left undecorated or can be easily decorated with paints, wallpapers or tiles.

Typical applications:

- Soffit, porch or canopy linings
- Wall and roof linings
- BBA Agrément Certificate No. 18/5593
- Swimming pool ceilings
- Integral garage ceilings
- Partitions

PROMATECT®-HD



PROMATECT®-HD is an A1 high density, calcium silicate board which has been formulated without any inorganic fibres.



**CAN BE FULLY
EXPOSED**

Typical applications:

- Wall cladding and infill panels

PROMATECT®-L500



PROMATECT®-L500 is a low density calcium silicate board, used for the construction of fire resistant ducts, cladding of sheet metal ducts and to provide fire rated cable and service enclosures.



UP TO 240
MINUTES FIRE
PROTECTION

Typical applications:

- Ductwork
- Cable protection
- Service enclosures

PROMAT ELLIS BOARD®



Promat Ellis Board® is a non-combustible autoclaved calcium silicate material, recommended for use around domestic heating appliances, cookers and boilers.

Typical applications:

- Lining around domestic heating appliances, cookers and boilers
- Non-combustible lining behind meter boxes

PROMAT SHAFTWALL® METAL



UP TO 120
MINUTES FIRE
PROTECTION

Promat SHAFTWALL® Metal profiles form part of the SUPALUX® shaftwall systems, providing up to 120 minutes integrity and insulation performance.

Fire Protection Ceiling Tiles

Promat offers a full range of board and panel fire protection and thermal upgrade solutions tested and assessed for a variety of ceiling applications.

SUPALUX® CEILING TILES



SUPALUX® ceiling tiles and panels used for fire protection to timber floors and structural steel beams supporting concrete floors. Supalux ceiling tiles and panels can be used in our systems that provide up to 120 minutes fire protection, depending on application. They are off-white in colour, bevel edged (4 sides), and available in 9mm or 12mm thicknesses.



**UP TO 120
MINUTES FIRE
PROTECTION**



**SUITABLE FOR
HIGH HUMIDITY
AREAS**

Typical applications:

- Steel beams supporting concrete floors
- Timber floors

Thermal and Combined Fire and Thermal Upgrade Boards

Boards with inbuilt insulation to provide either thermal or combined fire and thermal upgrades for structural slabs.

PROMAT TL BOARD®



Promat TL Board® is a high-density calcium silicate board bonded to phenolic insulation and is designed to be fixed to the underside of floors (generally concrete) to achieve specific U-values required by the project design and Building Regulations. Promat TL Board® does not use CFCs or HCFCs (and in particular HCFC 141b) in its manufacture and therefore the BREEAM rating is further enhanced.

Typical applications:

- Thermal upgrade for underground car parks and concrete soffits

PROMAT TLFR BOARD®



Promat TLFR Board® is a high-density calcium silicate board bonded to Rockwool stone wool insulation and is designed to be fixed to the underside of concrete floors. Promat TLFR Board® is non combustible, provides up to 180 minutes fire protection and has excellent thermal performance.



**UP TO 180
MINUTES FIRE
PROTECTION**

Typical applications:

- Fire protection and thermal upgrade for underground car parks and concrete soffits

Fireplace Products

PROMAFOUR® Systems provide the ideal solution for the construction of false chimney breasts for cassette/inset type fire places and lining existing masonry fireplaces. The PROMAFOUR® System is a safe, reliable, robust system developed to resist continuous high temperatures of up to 1000°C.

PROMAFOUR® SYSTEMS



**CAN
WITHSTAND UP
TO 1000°C**

System components:

- PROMAFOUR® Boards for the fire surrounds and mantelpiece
- PROMAFOUR® Studs for the support structure
- PROMASIL® 1000L Insulation Boards
- PROMAFOUR® Glue 1000 for bonded assembly
- PROMAFOUR® HT Joint filler for finishing
- PROMAFOUR® Primer

PROMAFOUR® BOARDS



PROMAFOUR® boards are cement bonded calcium silicate based insulation boards. These large-sized multi-purpose boards are easy to handle and offer a superior combination of enhanced technical properties for building strong, mechanically self-supporting constructions.

PROMAFOUR® boards form part of the PROMAFOUR® fireplace insulation system.

PROMAFOUR® boards are also suitable for use behind a wood burning stove or heating appliance.



HETAS Approved
Product AUX036

PROMAFOUR® Ancillaries

PROMASIL® 1000L



PROMASIL®-1000L are large-size, lightweight insulating boards with excellent mechanical and thermal characteristics.

PROMAFOUR® GLUE 1000



PROMAFOUR® -HT JOINT FILLER



PROMAFOUR® PRIMER



Adhesives and Finishing

Non-combustible cement and adhesives for fixing and jointing boards, and filling gaps.

PROMAT MOISTURE RESISTANT READY-MIXED JOINT FILLER



Promat Moisture Resistant Ready-Mixed Joint Filler is supplied in paste form. Easy to apply and sand, providing an excellent, smooth finish. The characteristic low shrinkage minimises usage and hairline cracks at the joint.

Typical applications:

- Joint filler for ceilings, partitions and linings

PROMACOL[®]-S



PROMACOL[®]-S is a silicate-based adhesive used in fire protection systems. In particular, it is used in combination with PROMATECT[®]-L500.

Typical applications:

- Ventilation and smoke extraction ducts
- Service enclosures

PROMACOL®-K84/500



PROMACOL®-K84/500 is a silicate based adhesive used in fire protection systems. In particular, it is used in combination with Promatect®-H boards. PROMACOL®-K84/500 is an inorganic, solvent-free adhesive based on water glass, modified with special fillers.

Typical applications:

- Bonding cement-bound calcium silicate building boards, vermiculite boards and stone wool for all applications
- Upgrading concrete as part of the PROMATECT-H® system



Fire Stopping

The fundamental premise of modern fire protection is based on the principles of compartmentation. Every building is designed into several fireproof compartments, to prevent or slow the spread of fire and smoke from one compartment to another. Essential building services – water pipes and electrical cables for example – penetrate compartment walls and ceilings. These have the potential to seriously compromise the integrity of the fire compartment, unless special and proven fire stopping systems are employed. Promat fire stopping systems restore the fire compartment to its original levels of fire performance.

Advantages

- Tested with board products
- Comprehensive range of solutions
- Easy installation
- Movement capability

Fire Stopping Products

PROMASEAL® INTUMESCENT ACRYLIC SEALANT



PROMASEAL® Intumescent Acrylic Sealant is a water based intumescent acrylic sealant that is used to reinstate the fire resistance of wall and floor constructions, in areas around services and to form a linear gap seal where gaps are present within wall and floor constructions. This product is available in white or grey colour.



**UP TO 240
MINUTES FIRE
PROTECTION**

PROMASEAL® -HPEX SEALANT



PROMASEAL®-HPEX Sealant is a high performance, acrylic-based intumescent sealant, used to reinstate the fire resistance performance of wall and floor constructions where gaps are present around single or multiple M&E services penetrations.



**UP TO 240
MINUTES FIRE
PROTECTION**

PROMASEAL® SILICONE SEALANT



PROMASEAL® Silicone Sealant is a silicone based fire protection sealant, used to reinstate the fire resistance performance of linear gap seals within wall and floor constructions. This product is available in white or grey colour.



**UP TO 240
MINUTES FIRE
PROTECTION**

PROMASEAL® FIRE COMPOUND EXTRA STRENGTH



PROMASEAL® Fire Compound Extra Strength is a gypsum based mortar material, used to reinstate the fire resistance performance of floor constructions where they have been provided with apertures for the penetrations of multiple services. It is supplied as a dry material, and is mixed with water to the required ratio prior to installation.



**UP TO 240
MINUTES FIRE
PROTECTION**

PROMASEAL® WRAP

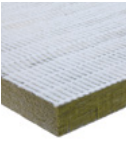


PROMASEAL® WRAP is designed using graphite intumescent technology, used to seal service penetration apertures that contain plastic and insulated metal pipes.



**UP TO 120
MINUTES FIRE
PROTECTION**

PROMASEAL® FIRE BARRIER



PROMASEAL® Fire Barrier is a 50mm thick coated stone mineral wool slab used to reinstate the fire resistance performance of wall and floor constructions, where there are apertures for the penetration of single and multiple services.



**UP TO 240
MINUTES FIRE
PROTECTION**

PROMASEAL® FIRE BARRIER COATING



PROMASEAL® Fire Barrier Coating is a water based firestopping coating, used in conjunction with PROMASEAL® Fire Barrier systems.



**UP TO 240
MINUTES FIRE
PROTECTION**

PROMASEAL® UNICOLLAR



Promat PROMASEAL® UniCollar® is a patented method of protecting plastic pipes which pass through fire rated walls and floors.



UP TO 240
MINUTES FIRE
PROTECTION

PROMASEAL® COLLAR



PROMASEAL® COLLARS are designed and tested to seal service penetration apertures containing plastic pipes.

They are developed to provide a high volume expansion and pressure seal during a fire.



UP TO 240
MINUTES FIRE
PROTECTION

PROMASEAL® FIRE PILLOWS



Promat PROMASEAL® Fire Pillows can not only provide permanent fire protection but they are particularly useful when only temporary fire protection is required. The Fire Pillows are used to maintain the fire resistance of walls and floors where openings for services are located, and are typically installed around cables which need to be regularly altered.



UP TO 120
MINUTES FIRE
PROTECTION



Promat Board Selector

	DIMENSIONS			APPLICATIONS				PERFORMANCE AND CERTIFICATION						PROPERTIES					ENVIRONMENT			
	Thickness (mm)	Length (mm)	Width (mm)	Compartmentation	Structural protection	Shaftwall	Duct and Services Enclosures	Minutes of fire resistance	Fire reaction class: A1 non-combustible to EN13501-1	Hetas approved product AUX036	Complies with building regs. part J	Manufactured under ISO 9001 / ISO 14001 systems	Third party accreditation	Impact Resistant	High dimensional stability	High thermal capacity	Slim constructions	Does not require plastering	Fully Exposed Use (for up to six months)	Permanent Semi External Use	Internal use	Can be installed before building is weathertight
PASSIVE FIRE PROTECTION BOARDS																						
SUPALUX®	6, 9, 12, 15	2440	1220	•		•		240	•			•	•	•	•		•	•		•	•	•
	20, 25	2500	1250																			
SUPALUX® Ceiling Tiles	9	600	600	•				120	•			•	•	•	•		•	•		•	•	•
		1200	600																			
		1200	1200																			
	12	600	600																			
VERMICULUX®-S	20, 25, 30, 35, 40, 50	2500	1200		•			240	•			•	•	•	•		•	•		•	•	•
PROMATECT®- L500	20, 25, 30, 35, 40, 50, 52	2500	1200				•	240	•			•	•	•	•		•	•		•	•	•
PROMATECT®-H	12, 25	2500	1250		•			240	•			•	•	•	•		•	•		•	•	•
PROMATECT®- XW	15	2500	1200		•			60	•			•	•	•	•		•	•	•		•	•
PROMATECT® 250	15, 20, 25	2500	1200	•	•			120	•			•	•	•	•		•	•			•	•
PROMATECT® HD	6, 9	2440	1220					-	•			•	•	•	•		•	•	•		•	•
MASTERBOARD®	6, 9, 12	2440	1220	•				30	•			•	•	•	•		•	•		•	•	•
Rebated MASTERBOARD® (4 edges)	9	2440	1220	•				-	•			•	•	•	•		•	•		•	•	•
MASTERBOARD® soffit strips	6	2440	150, 225, 300	•				-	•			•	•	•	•		•	•		•	•	•
Promat Ellis Board®	6	900	600	•				-	•			•	•	•	•		•	•		•	•	•
		900	900																			
		915	610																			
	9	900	600																			
		610	610																			
THERMAL & COMBINED THERMAL UPGRADE BOARDS																						
Promat TL Board®	81, 96, 106, 126	2397	1197	•				-	•			•	•	•	•		•	•			•	•
Promat TLFR Board®	136, 166	600	1200	•				180	•			•	•	•	•		•	•			•	•
Fireplace Products																						
PROMAFOUR® SYSTEMS																						
PROMAFOUR® Boards	12, 15	2500 1250	1250	•				-	•	•	•	•	•	•	•	•	•	•			•	•
PROMAFOUR® Studs	18	2500	68	•				-	•	•	•	•	•	•	•	•	•	•			•	•
PROMASIL® 1000L	30, 50	2500	1200	•				-	•	•	•	•	•	•	•	•	•	•			•	•

Promat

GB Orderline

For placing orders, delivery enquiries, finding local stockists and other order-based enquiries.

0800 373 636 (Select option 1)
sales.construction@promat.co.uk

Customer Support

For any problems with invoices or deliveries.

0800 373 636 (Select option 2)
customersupport@promat.co.uk

Technical Services

For technical support and advice.

0800 145 6033 (Select option 2)
technical@promat.co.uk

www.promat.com/en-gb/construction/

Etex Building Performance Limited

Gordano House, Marsh Lane,
Easton-in-Gordano,
Bristol, BS20 0NE

01275 377 773
promat.com

© Etex Building Performance Limited

0600-PRO V1(j)/01/2023

