

# The components of the PROMAFOUR® system

## 1. PROMAFOUR® boards



are non-combustible, high temperature resistant, calcium silicate and cement based boards which can resist continuous temperatures up to 1000°C.

**PROMAFOUR® boards** are solid boards with excellent mechanical strength. Their dimensions, 2500mm (L) x 1250mm (W), enable a quick and simple installation. They are available in thicknesses of 12mm and 15mm.

## 2. PROMAFOUR®-STUDS



are non-combustible, cut to size profiles, which are made of the same material as PROMAFOUR® boards.

**PROMAFOUR®-STUDS** are available as 68mm x 2500mm x 18mm.

## 3. PROMASIL®-1000L insulation boards



are lightweight boards with excellent insulation properties which can resist continuous temperatures up to 1000°C. Their homogeneous, stable, calcium silicate structure guarantees exceptional thermal and mechanical properties.

**PROMASIL®-1000L boards** are available in 2500mm x 1200mm and thicknesses of 30mm and 50mm. In order to prevent overheating and/or ignition of the rear wall due to prolonged and frequent heating and to minimise possible heat loss from the back of your fire/stove, we advise you to insulate the rear wall to protect it against the heat emitted by your appliance at all times.

## 4. PROMAGLAF® HTK BLANKETS



are flexible, high temperature resistant insulation blankets, based on alkaline earth fibres (high temperature glass fibres), which are bonded mechanically by needle felting without the addition of any bonding agents. They are non-combustible and can resist temperatures up to 1000°C. Due to their high flexibility, these insulation blankets can easily be used to “wrap up” smoke extraction ducts.

**PROMAGLAF® HTK** insulation blankets are manufactured in 25.4mm x 610mm x 7320mm rolls with a density of 96kg/m<sup>3</sup>.

## 5. PROMAFOUR®-GLUE 1000



is a refractory silicate based glue, which resists temperatures up to 1000°C. PROMAFOUR®-GLUE 1000 adheres very well to all materials and can be used to glue PROMAFOUR® boards and PROMASIL®-1000L insulation boards, as well as PROMAGLAF® HTK insulation blankets.

**PROMAFOUR®-GLUE 1000** is available in 500ml cartridges.

## 6. PROMAFOUR®-HT JOINTFILLER



is a high temperature resistant filler, which is based on a mixture of clay and an inorganic bonding agent. It can resist temperatures up to 1000°C. PROMAFOUR®-HT JOINTFILLER has been developed especially to fill in any residual gaps around PROMAFOUR® boards.

**PROMAFOUR®-HT JOINTFILLER** is available in 1.5kg tubs.

## 7. PROMAFOUR®-PRIMER



is a non-combustible and vapour permeable primer, based on liquid calcium silicates and a controlled amount of organic additives.

**PROMAFOUR®-PRIMER** is available in 3ltr tubs.

# The worldwide reference

**Promat is the worldwide reference in passive fire protection and high performance insulation and is active in more than 37 countries on 5 continents.**

As a division of Promat Group, Promat HPI (High Performance Insulation) is a specialist in the design and manufacturing of innovative products and solutions, as well as integrated systems for thermal insulation applications in many areas of industry.

Promat is a dynamic part of Etex, a Belgian industrial group with over 17,000 dedicated people, specialising in the manufacturing and marketing of high-quality building materials and high performance insulation systems.

PROMAFOUR® is the result of our many years of experience and know-how in fire protection and high performance insulation.



*For more detailed information on installing the PROMAFOUR® system, please consult our installers manual.*

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# PROMAFOUR®

The fireplace insulation system that makes the difference





## Added value with PROMAFOUR®



**A fireplace or stove can add value to any home. It creates a warm, cosy atmosphere and is a sustainable method of heating.**

PROMAFOUR® is the result of Promat's many years experience and know-how in fire protection and high performance insulation.

The PROMAFOUR® system has been developed as a solution for cassette and

inset type fireplaces. PROMAFOUR® is a safe, reliable, robust chimney breast system, designed to resist continuous high temperatures of up to 1000°C.

What makes PROMAFOUR® unique is that it

can be easily installed with standard tools and additional plastering is not required to paint or wallpaper. PROMAFOUR® is the ideal solution for fireplaces in new buildings as well as renovation projects.

## The key advantages of the PROMAFOUR® system

### Safe and reliable

PROMAFOUR® boards are non-combustible and can resist continuous high temperatures of up to 1000°C. They don't contain any bonding agent, which could emit irritating odours or affect the adhesion to the board in a negative way.

### Aesthetics and convenience

PROMAFOUR® boards have a naturally smooth surface which is ideal for painting without additional plastering. Due to minimal expansion and contraction during and after heating, the risk of cracks, microscopic

fissures or deformation is reduced to an absolute minimum.

By insulating your fireplace floor and rear wall with a PROMASIL®-1000L board, the loss of heat is reduced to the bare minimum. Thanks to the high thermal storage capacity of PROMAFOUR® boards, the emitted heat is distributed evenly in your living room. Your fireplace will continue to emit heat, even after the fire is extinguished.

### Mechanical strength and durability

PROMAFOUR® boards are composed of calcium silicate and cement. This results in very strong walls, even with minimal thicknesses of 12mm or 15mm. Also heavier objects, such as frames, paintings and flat screens can be attached to the wall without additional strengthening.

### Quick and easy installation

PROMAFOUR® boards can be easily cut with traditional woodworking equipment and installed using standard screws, staples and refractory PROMAFOUR®-GLUE 1000.



# PROMAFOUR® in a nutshell

## 1. PROMAFOUR® boards

- Solid, non-combustible boards
- Can resist continuous temperatures up to 1000°C
- Excellent mechanical strength
- Quick and easy installation

## 2. PROMAFOUR®-STUDS

- Non-combustible, cut to size profiles

## 3. PROMASIL®-1000L insulation boards

- Lightweight, refractory insulation boards
- Excellent insulation properties
- Can resist continuous temperatures up to 1000°C
- Exceptional thermal and mechanical properties

## 4. PROMAGLAF® HTK BLANKETS

- Flexible insulation blankets
- Based on high temperature glass fibres
- Non-combustible
- Can resist temperatures up to 1000°C

## 5. PROMAFOUR®-GLUE 1000

- Refractory glue
- Can resist temperatures up to 1000°C

## 6. PROMAFOUR®-HT JOINTFILLER

- High temperature resistant filler
- Can resist temperatures up to 1000°C
- Ideal for filling in and smoothing joints, screw holes, staple holes and uneven surfaces

## 7. PROMAFOUR®-PRIMER

- Non-combustible, vapour permeable primer



