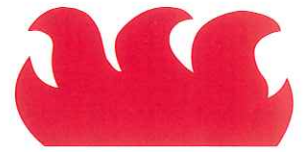


Promat



PROMASEAL® Grafitex



DESCRIPTION

PROMASEAL® Grafitex is an intumescent compound which is unaffected by water and moisture when cured and is designed to expand under fire conditions to fill any gaps around services that penetrate fire barriers.

PROMASEAL® Grafitex comes as a trowelable paste ready for use.

PACKAGING

PROMASEAL® Grafitex is packed in 4 and 10 litre pails.

USES

PROMASEAL® Grafitex will seal openings where combustible materials are used to insulate pipes that burn or melt in a fire, leaving openings which allow the passage of smoke and fire into the next compartment.

PROMASEAL® Grafitex can also be used to close off small uPVC conduits passing through fire walls and floors.

ADVANTAGES

- Fire protection for up to 4 hours
- Simple installation
- Water and moisture resistant
- Suitable for use around conduits
- Suitable for use around plasterboard, calcium silicate or masonry walls
- Seals multiple uPVC pipes in simple openings

FIRE PERFORMANCE

PROMASEAL® Grafitex has been successfully tested and assessed by independent laboratories to meet the requirements of AS1530: part 4, and AS4072.

In floors it has been tested for periods of 4 hours with 25mm conduits and 2 hours up to 45mm conduits. In walls it has been tested for 2 hours around 25mm uPVC conduits, 32mm XLPE Rehau pipe and closed cell thermal insulation.

SPECIFICATION

“PROMASEAL® Grafitex paste is to be installed around combustible services and insulation that pass through fire rated floors and walls. PROMASEAL® Grafitex is to be installed in accordance with the manufacturers instructions. All installations to be certified by the installer in an approved manner.”

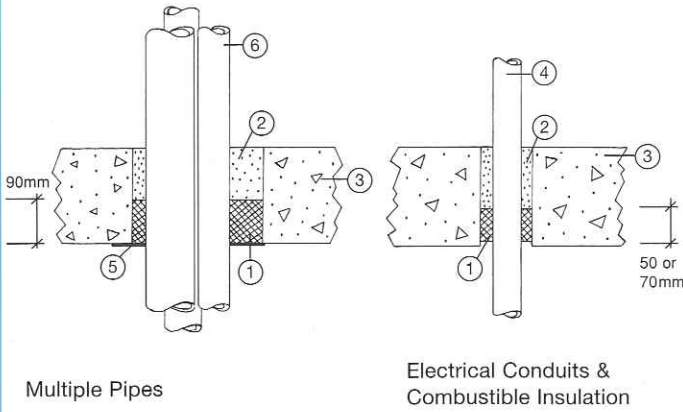
INSTALLATION

Trowelable grade PROMASEAL® Grafitex should be placed in the gap around the combustible insulation or uPVC conduit to a depth of 32mm in masonry, calcium silicate and plasterboard walls.

The gap should be 20mm wide and the face of the PROMASEAL® Grafitex must not be shielded from the fire source.

In floor slabs, the PROMASEAL® Grafitex should be flush or raised no more than 10mm up from the soffit of the floor slab. The gap around the service should be approximately 10mm.

For conduits of up to 25mm the PROMASEAL® Grafitex should be to a depth of 50mm and for conduits between 25mm and 45mm should be 70mm deep. The opening should then be filled with PROMASEAL® Fire Mortar or commercial grade mortar mix.



Technical Data:

Up to 4 hours fire rating acc. to AS1530/4 and AS4072.

- ① PROMASEAL® Grafitex
- ② PROMASEAL® Fire Mortar
- ③ Concrete floor
- ④ Electrical conduit
- ⑤ Perforated steel retainer
- ⑥ Multiple uPVC pipes

Multiple Pipes - 2 hour fire rating

Fix ⑤ to the slab soffit to retain the PROMASEAL® Grafitex filler. The total sectional surface area of the penetrating pipes must be no greater than half the sectional surface area of the hole. The maximum surface area of pipes in any hole is 17,500mm². Fill the Grafitex to 90mm depth from soffit. Fill the remaining opening to the top of the slab with PROMASEAL® Fire Mortar or commercial grade mortar. For calculation of surface areas see table of areas.

Electrical Conduits & Combustible Insulation

Trowellable PROMASEAL® Grafitex should be placed in the gap around the combustible insulation or uPVC conduit, facing the fire source, to a depth of 32mm in masonry, calcium silicate or plasterboard walls. The gap should be 20mm wide and the face of the PROMASEAL® Grafitex must not be shielded from the fire source.

In floor slabs, the Grafitex should be flush or raised no more than 10mm up from the soffit of the slab. The gap around the service should be approximately 10mm. For conduits between 25mm and 45mm the PROMASEAL® Grafitex depth should be 70mm. The opening should then be filled to the top of the slab with PROMASEAL® Fire Mortar or commercial grade mortar.

Table of Areas

Areas in mm²

Pipes ø	x1	x2	x3	Holes ø	Square
40mm	1257	2514	3771	100	7854 10000
50mm	1964	3928	5892	150	17672 22500
65mm	3319	6638	9957	200	31416 40000
80mm	5027	10054	15081	250	49088 62500
100mm	7854	15708	N/A	300	70686 90000

IMPORTANT NOTES

- Promat product data sheets and health and safety data sheets are regularly reviewed and are available on request.
- The successful use of this product is dependent on a number of factors. As the information contained in this leaflet can only be of a general nature, it is advisable to consult our technical department if there is any doubt about the correct use of this product in a particular application.
- PROMASEAL® Grafitex is part of the PROMASEAL® range of penetration and linear gap seals available from Promat International (Asia Pacific) Ltd, through their regional distributors.
- Our technical representatives and advisors are available to provide further technical and commercial assistance.

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