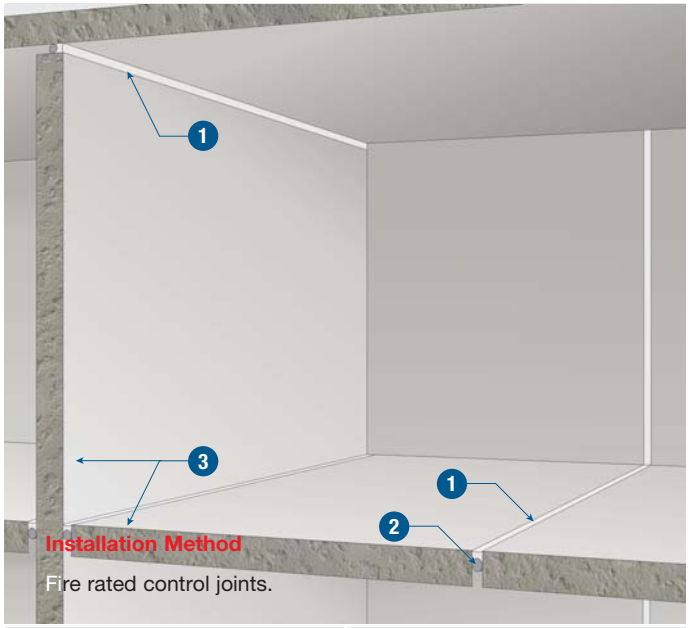
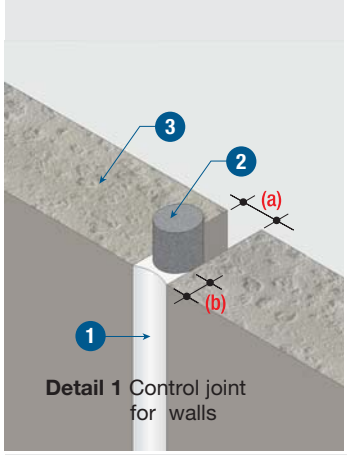
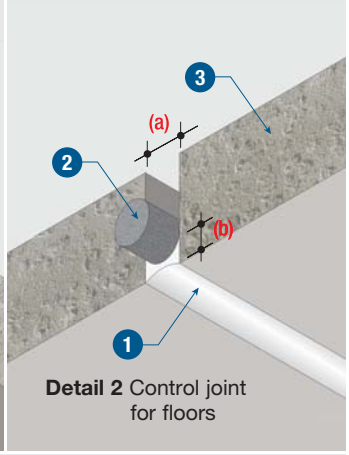


Installation Method

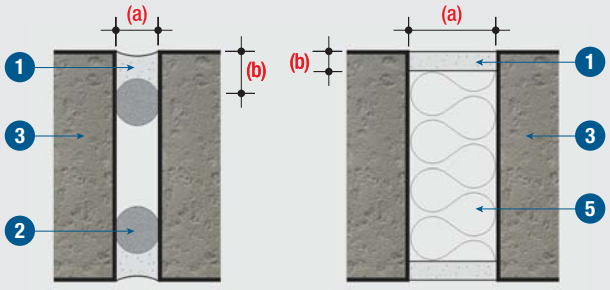
Fire rated control joints.



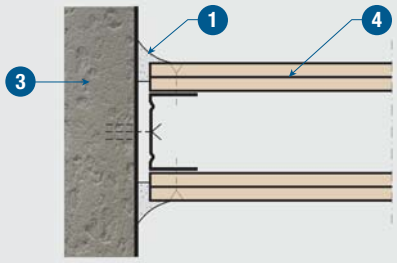
Detail 1 Control joint for walls



Detail 2 Control joint for floors



Detail 3 Control joint for walls for fire from either direction



Detail 4 Adjoining walls joint for lightweight partition

PROMASEAL® sealants are acrylic, intumescent or silicone based gunable sealant designed for fire resistant sealing of joints and services penetration against spread of fire, smoke and hot gasses to 4 hours fire resistance.

Adhesion is excellent to most types of surface. They cure in air to form a non-hardening, tack-free seal.

When specifying or sourcing a sealant for a control joint, it is essential that the characteristics of each control joint are taken into account. Control joints are provided either in or between elements of construction to allow for differential movement caused by a number of factors including shrinkage, thermal expansion, service loads, creep or as means of joining pre-cast units.

PROMASEAL® Acrylic, Intumescent or Silicone Sealant vary in their movement capabilities. As a general rule, Acrylic Sealants have low movement properties (typically between 5% and 10%) and should not be used where movement is a high priority. For good adhesion the surfaces of the building element must be free of any dust or grease and be suitably primed. Please contact your local Promat office for details. For high movement joints please refer to the PDF of PROMASEAL® FyreStrip.

TECHNICAL DATA

Up to 4 hours fire rating, integrity in accordance with the criteria of BS 476: Part 20.

1 Typical PROMASEAL® Acrylic Sealant, sealing depth as below. Please check with your local Promat Technical Department to ensure the correct use of the sealant specified:

2 hours fire resistance						
(a) Gap width (mm)	10	20	25	30	40	50
(b) Fire side only (mm)	10	10	12	15	20	25
Both sides (mm)	10	10	12	15	20	20
3 hours fire resistance						
(a) Gap width (mm)	10	20	25	30	40	50
(b) Fire side only (mm)	10	10	12	15	20	25
Both sides (mm)	10	10	12	15	20	20
4 hours fire resistance						
(a) Gap width (mm)	10	20	25	30	40	50
(b) Fire side only (mm)	15	30	30	30	40	40
Both sides (mm)	10	15	20	20	20	20

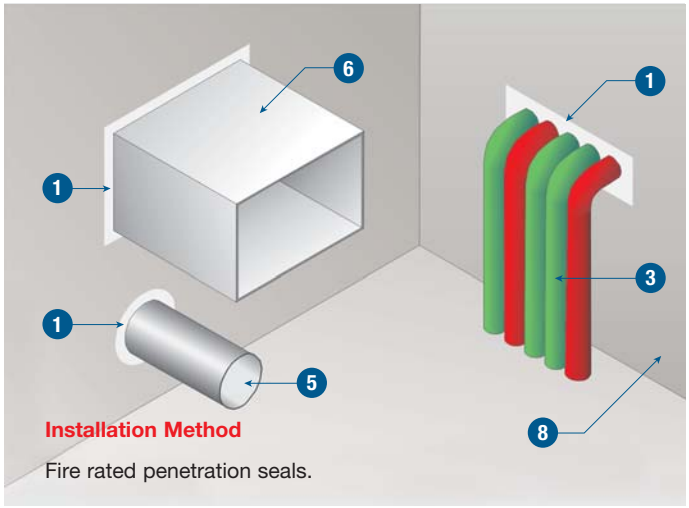
NOTE: For application on the unexposed face only, please contact your local Promat office.

2 Polyethylene backing rod or strip (optional)

3 Concrete wall or floor

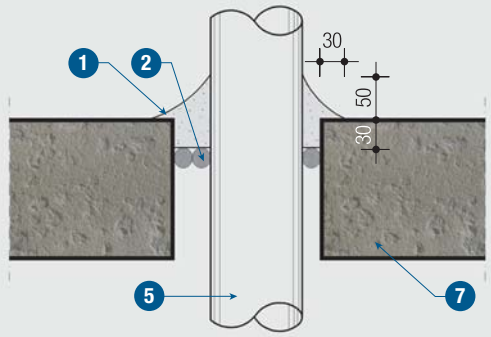
4 Dry wall

5 Mineral wool

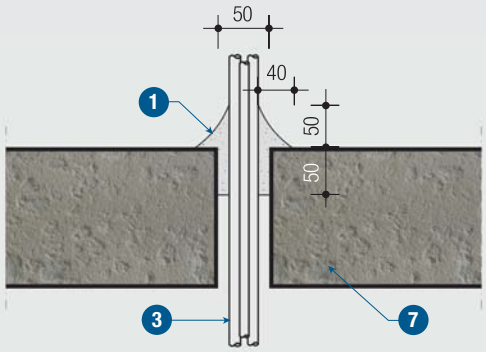


Installation Method

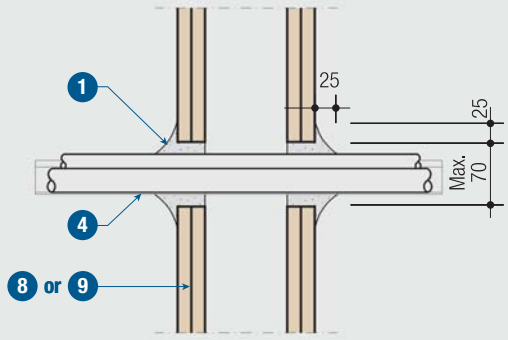
Fire rated penetration seals.



Detail 1 Metal pipe through floors



Detail 2 Cables or tray through floors



Detail 3 Cable tray through masonry wall or partition

PROMASEAL® Acrylic, Intumescent or Sealant is also ideal to seal around small gaps with or without penetrating elements.

Supplied in a 300ml cartridge, it is ideal to seal around metal pipes, cables, conduits, busways, and ducts which penetrate walls or floors.

It bonds to masonry, concrete, calcium silicate board, plasterboard, metal and cable coverings and remains flexible after curing to accommodate thermal movement.

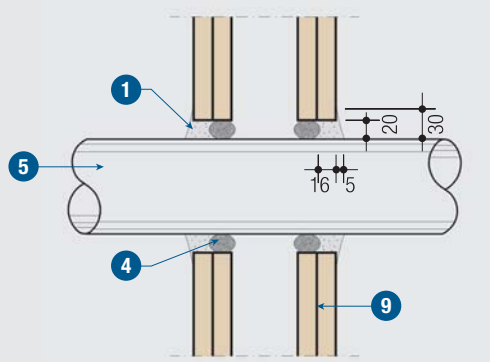
The fire rating achieved will be limited to the fire rating of the building element through which the service passes. The size of the gaps around services that can be protected with PROMASEAL® Sealants have limitations. For metal pipes passing through floors the gap between the pipe and floor should be no greater than 38mm, for walls no greater than 20mm. For bundles of cables passing through floors, the maximum opening should be no greater than 50mm Ø (approximately 2000mm²) and through walls, 38mm Ø (approximately 1100mm²).

For cables on cable trays passing through walls, the maximum opening size should not exceed 70mm high x 440mm wide. In some installations when gaps are at the upper end of the range, sealant may be inclined to slump. In such cases the use of PROMASEAL® IBS™ Foam Strip may be the solution, please refer to the PDF of PROMASEAL® IBS™.

TECHNICAL DATA

Up to 2 hours fire rating in accordance with the criteria of AS 1530: Part 4, BS 476: Part 20 and AS 4072: Part 1; depending on application.

1. PROMASEAL® Acrylic, Intumescent or Silicone Sealant
2. PROMASEAL® backing rod
3. Cables
4. Cable Tray
5. Metal pipes
6. Ventilation Duct
7. Concrete floor
8. Masonry Wall
9. Lightweight partition



Detail 4 Metal pipe through partitions