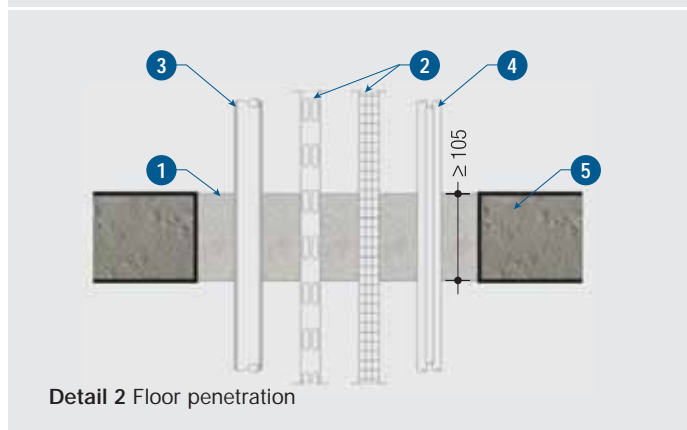
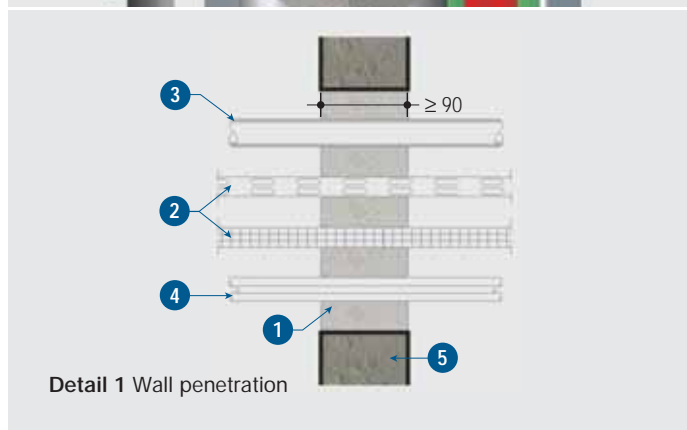
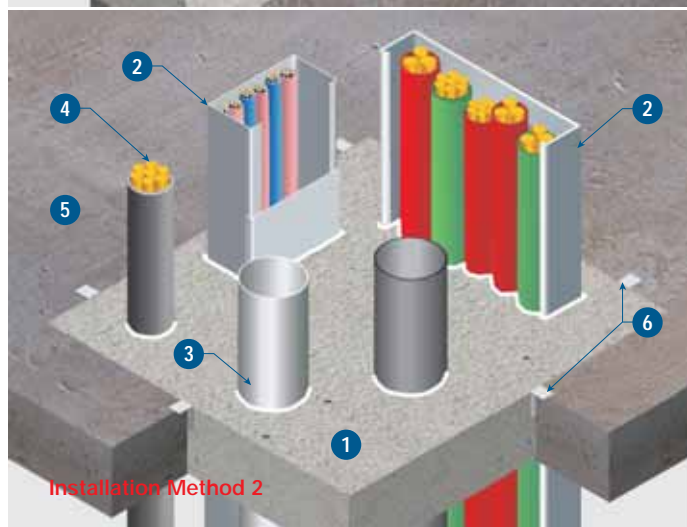
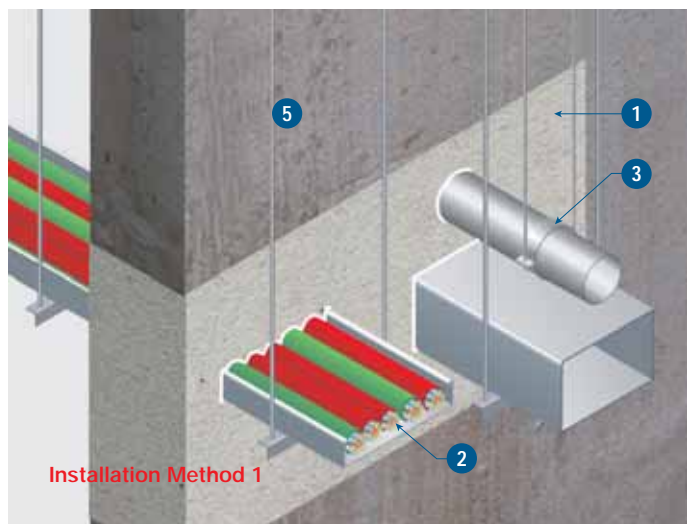


Promat



PROMASEAL® Mortar Penetration Seals on Floors/Slabs/Walls





PROMASEAL® Mortar is a specially formulated, lightweight, hydraulic cement composition supplied as a pre-mixed dry powder for on-site addition of water. It can be trowelled into position for sealing the openings required for the passage of cables and metal pipes through walls and floors, thus in the event of fire, preventing the spread of fire and smoke into another compartment.

PROMASEAL® Mortar has been successfully tested and assessed to BS 476: Part 20: 1987, AS 1530: Part 4 and AS 4072: Part 1 for fire ratings up to 4 hours depending on service penetration. Insulation criteria will vary dependent upon the building element, the type and size of services.

TECHNICAL DATA

4 hours fire rating, integrity in accordance with the criteria of BS 476: Part 20, AS 1530: Part 4 and AS 4072: Part 1. Insulation achieved will be dependent upon the building element and type of services.

- 1 PROMASEAL® Mortar, wall penetration = 90mm
floor penetration = 105mm
- 2 Electric cables and cable trays
- 3 Metal pipe
- 4 Telecommunication cables
- 5 Wall elements or floor slabs
- 6 25mm wide Zed clips at nominal 300mm centres

NOTES:

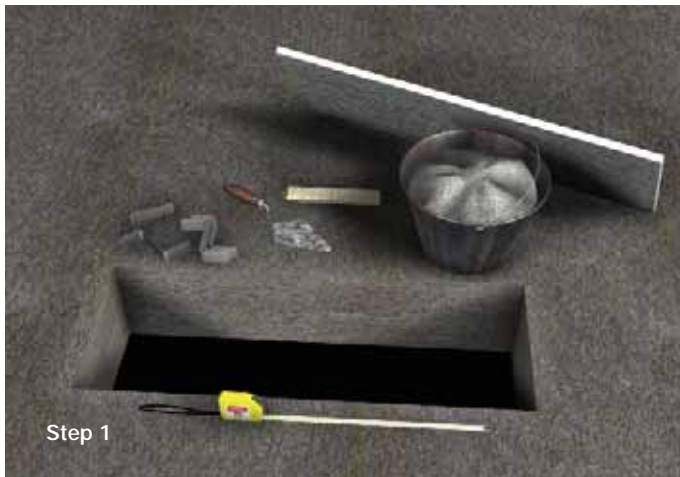
Maximum size of opening - Floors 600 x 400mm;
Walls 600 x 600mm.

Larger openings can also be protected. Please consult Promat Technical Department for support details.

The system approvals detailed above may differ slightly in some territories, please consult your local Promat Technical Department for details.

Drawings shown are schematic only. For further details please refer to Installation Sheet.

For floor applications 25mm wide Zed Clips (30mm x 50mm x 30mm x 1.0mm) must be placed around the top of the opening (at 300mm centres). Where the mortar abuts a wall this clip is replaced with a 25mm wide L-clip (100mm x 30mm x 1.0mm) fixed to the wall, ensuring that at least 50mm is below the top of the mortar.



Step 1



Step 2



Step 3



Step 4

Step 1

Measure the opening that needs to be sealed. Ensure that the opening has sufficient depth to place mortar of sufficient thickness to achieve the required fire resistance level. If necessary, the mortar depth may be raised above the level of the structural element.

Step 2

Place in the formwork, which can be virtually anything as long as it stays in place until the mortar sets, i.e., 30mm thick polystyrene sheet, plasterboard, plywood or PROMATECT® boards. It is to be cut for a tight fit into the opening and around services. The formwork may be fixed into place by nails, screws, propped or supported on steel angle or just friction fitted.

Step 3

Next, place galvanised steel “Zed” clips, which can be fabricated simply with steel sheets at 300mm centres. Place angles if one side is a wall.

Step 4

It is advisable to use an electric drill with mixing blade to ensure that the mortar is mixed thoroughly. Trowel the mortar mix into the opening, placing it first on the “Zed” clips to hold it in place. Fill the opening with mortar to required depth as specified.

Step 5

Once the mortar has set, it is advisable to seal around all penetrating services on top of the mortar with PROMASEAL® Acrylic Sealant in case of small fractures from movement. For large floor openings, it is a wise precaution to place warning signs informing the general public that the seal is non-loadbearing.



Step 5

For latest information of the Promat Asia Pacific organisation contact details, please refer to www.promat-ap.com

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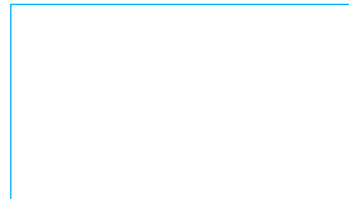
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