

**Promat**

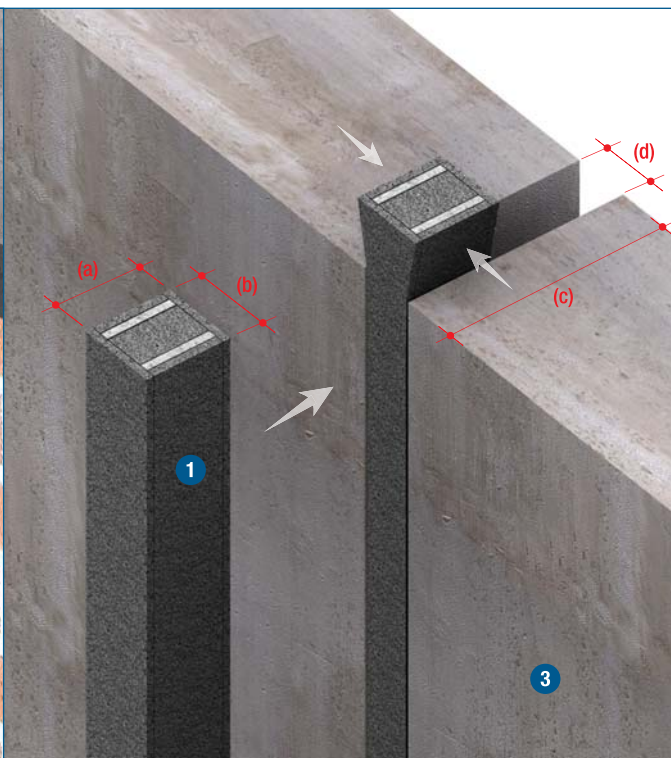


## **PROMASEAL® FyreStrip For Movement Joints Seals**



### SE 81.24.1

### SE 82.24.1



#### TECHNICAL DATA

**1** For FRL up to -/240/240, please consult Promat if integrity only, straps are required.  
PROMASEAL® FyreStrip

**2** Masonry or concrete floor slab, with fire resistance higher than or equal to that of the installed system.

**3** Masonry, concrete or brick wall, with fire resistance higher than or equal to that of the installed system.

PROMASEAL® FyreStrip is a compressible, flexible, fire resistant seal which is used where movement joints are formed in the structure of building. It consists of layers of intumescent material bonded to a special foam and has been successfully fire tested up to 240 minutes in joints within masonry or concrete walls and concrete floors in accordance with the relevant criteria of BS476: Part 20, AS1530: Part 4 and AS4072: Part 1.

PROMASEAL® FyreStrip is available in the following dimensions:

- FS20 – 90mm x 28mm x 1000mm;
- FS40 – 90mm x 46mm x 1000mm;
- FS50 – 90mm x 56mm x 1000mm;
- FS80 – 100mm x 84mm x 1000mm;
- FS100 – 120mm x 124mm x 1000mm.

The strips are ideal for sealing movement joints at junctions between compartment walls and floors. Their flexibility makes them suitable for use in a variety of configurations. The fire performance of PROMASEAL® FyreStrip will vary according to the particular application. In addition, the width of the gap into which the strip will be inserted as well as their orientation will have effect on the level of protection provided.

### Installation Guide

The strip thickness is determined by the minimum and maximum positions of the gap width expected during the life of the building. The strip thickness should not be less than the maximum expected width (see table on this page). The strip depth is a function of the gap width and the fire resistance period. The appropriate size of PROMASEAL® FyreStrip is simply compressed between fingers and thumb until it can be inserted into the required gap. For up to 240 minutes fire resistance only one strip is required. The strip must be centrally located in the wall or floor joint. In cold conditions it is advisable to store in a warm atmosphere immediately prior to installation as this improves compressibility. The strip may readily be cut to suit a particular length.

When more than one length of PROMASEAL® FyreStrip is required in a joint, ensure the two adjoining pieces are butted tightly and there is no gap between the adjoining ends. At the ends of each joint, ensure the strip is fitted tight to the adjacent surface.

For lower FRL, the thickness of the building element may well be less than specified below.

Code no.	FS20 (mm)	FS40 (mm)	FS50 (mm)	FS80 (mm)	FS100 (mm)
(a) Product depth	90	90	90	100	120
(b) Product width	28	46	56	84	124
(c) Minimum element thickness	For FRL up to -/120/120			120	
	For FRL up to -/180/180			150	
	For FRL up to -/240/240			170	
(d) Minimum gap width for strip insertion	16	24	32	48	64
Minimum gap width at full compression	12	16	24	36	44
Maximum gap width at full expansion	20	40	50	80	100

NOTE: For joints at the top of hollow block and cavity walls, the cavity must be sealed for a minimum of one course. In 120 minutes framed walls, the FRL can be achieved in joints up to a maximum of 50mm sealed with FS50 type. For situations not covered by the above table, please consult Promat.

### Recommended Specification

Where appropriate, the specified joints and gaps on floor/wall should be properly fire stopped using PROMASEAL® FyreStrip capable of providing a fire resistance of -/240/240 when tested and assessed in accordance with AS1530: Part 4 and/or BS476: Part 20: 1987. Installation of any fire stopping product should be carried out according to the manufacturer's recommendations. Please consult Promat for more details.

For latest information of the Promat Asia Pacific organisation, please refer to [www.promat-ap.com](http://www.promat-ap.com)

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