



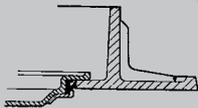
Section 7

Accessories

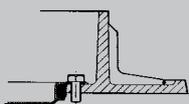
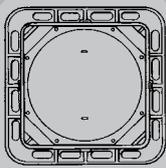
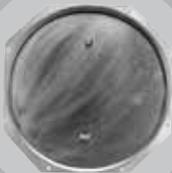
- Seal plates.
- Safety grids.
- Badging options.
- Lifting/opening keys.



Push-fit



Bolt-down



Seal plates and safety grids

A comprehensive range of product accessories is available to enhance, protect and increase safety.

The accessories include:

- Seal plates.
 - mild steel galvanised
 - GRP
- Safety grids.
- Lifting keys.

Bolt-down mild steel galvanised (MSG) seal plates

Under surge conditions, pressure concentration in access shafts can lead to covers being forced out of access covers. In situations where this may occur, Saint-Gobain PAM UK offers a bolt-down MSG seal plate for added security.

MSG seal plates are fixed inside the access frame and secured using eight set screws. MSG seal plates are specially designed to overcome problems of back pressure experienced in sewer shafts up to 0.5 bar (equivalent to pressure of five metres head of water).

Installation (MSG)

When installing the access frame it is important that the bedding mortar does not interfere with the bolt holes used to retain the seal plate. Before installing the seal plate, ensure the sealing gasket and surface of the frame in contact with the gasket are lubricated using a soft soap (the lubricant used for Tyton pipe gaskets is also suitable). Washers should be placed under each set screw head. Set screws, wrapped with thread sealing tape, should then be tightened evenly to avoid possible distortion of the seal plate. We recommend bolting the frame to the chamber.

Note: Bolt-down MSG seal plates cannot be retrospectively fitted.

Push-fit glass reinforced plastic (GRP) seal plates

GRP seal plates act as a protective barrier against the egress of odours and the corrosive properties of sewer gases, notably in countries where the ambient temperature is high. They are also effective in reducing water infiltration.

GRP push-fit seal plates are not capable of performing under conditions of back pressure.

Installation (GRP)

Push-fit GRP seal plates can be easily installed with the frame in-situ, and are readily removable allowing fast access to shafts.

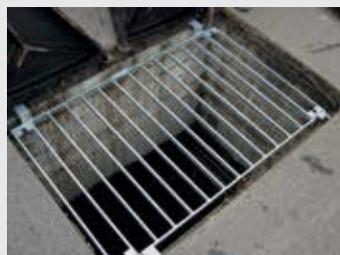
Note: Push-fit GRP seal plates may be retrospectively fitted in appropriate frames.

Safety grids

Specially designed MSG safety grids rest on the frame's internal lip and are designed to prevent the entry of objects into the sewer shaft when work is being carried out.

Safety grids are of drop-in design for ease of location in access frames and can be fitted retrospectively to appropriate frames.

Bar type and mesh type are available for appropriate frames.



Badging, coatings, keys, irons



Badging

The standard badges for manhole and access covers are 'FW' (foul water) or 'SW' (surface water). Not available on all items.

Special badging

Special badging of castings to individual customer requirements is also available, dependent on specific order quantities and suitability of particular designs. Please consult our sales department.

Standard badges

Access covers.
Not available on all items.

Service	Standard badge
Foul water	FW
Surface water	SW

Ductile iron product coating

Saint-Gobain PAM UK access covers and gratings are supplied coated with water-based black bitumen as standard. Castings may be supplied uncoated on request (fine cast).

Bitumen acts to protect casting surfaces whilst in transit and on the stockground. In situations where castings are subjected to regular vehicular traffic, the coating on the top surface of the casting will become worn. This has no adverse effect on the casting's performance.

Step irons (malleable/ galvanised iron)

Code	SAP code	Shank
RM115 0	190662	115mm
RM230 0	190663	230mm

Lifting keys

Lifting keys are available, individually tailored to suit specific requirements.

Loop-handled keys

Suitable for use with E600, D400 and C250 castings and some surface boxes. See individual product pages. Available in 152mm (6"), 381mm (15"), 457mm (18") and 610mm (24"). The longer lifting keys give ergonomic benefits when lifting heavier covers.

Code	SAP code	Design	Use	Length
RMA62 0	C50	Loop	Heavy duty	153mm
RMA55 0	190666	Loop	Heavy duty	380mm
RMA56 0	190667	Loop	Heavy duty	460mm
RMA57 0	190668	Loop	Heavy duty	610mm
RMA63 0	C51	Tee	Light duty	120mm

T-handled keys

Suitable for use with B125 covers and some surface boxes. See individual product pages.

Locking/lifting keys

Locking kit comprises assembly instructions; steel hole-punch; turnbuckle lock (plus locking lifting key if required).

Code	SAP code	Keys
RMA41 0	190664	M12 locking/lifting keys