

SHIMPAC®



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INSTALLATION GUIDE

OBJECTIVE

To prevent ironwork dropping down below the level of the carriageway due to compaction or breakdown of the mortar bed.

METHOD

Use **SHIMPAC** which is a precompressed cement based plank system.

STEP 1

Lift existing ironwork and carefully remove old bedding material from chamber.

STEP 2

a

Measure height from top of chamber to road surface.

b

Measure height of replacement frame.

Deduct b from a to give height to be filled with **SHIMPAC** plank(s) plus thin beds of mortar.

STEP 3

Select correct thickness of **SHIMPAC** plank and install on thin bed of mortar (fast-setting or traditional mix).

STEP 4

Bed frame to planks on thin bed of mortar. Point inside face of planks. Haunch and infill as normal.

ILLUSTRATION FOR STEPS 3 & 4

Height to be filled with planks + mortar

48mm

Select suitable thickness of plank	24mm
Thin bed of mortar between plank and chamber	12mm
Thin bed of mortar between frame and plank	12mm
Total	<hr/> 48mm

NOTES

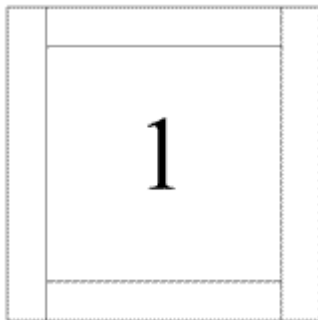
If a mortar thickness in excess of 25mm is used at steps 3 or 4 the effectiveness in using **SHIMPAC** planks could be reduced.

If more than one layer of planks is required install using a thin cement bed to "stick" second layer to first layer ensuring that planks are cross lapped at corners.

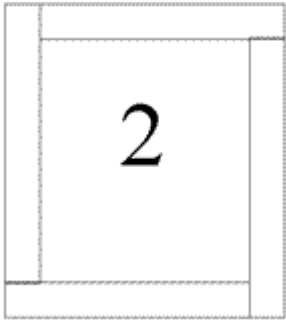
SHIMPAC planks should NOT be used without mortar bedding above and below each plank.

When carrying out installations on heavily trafficked roads or where residual water can be expected in the chamber, **SHIMPAC** planks should only be installed using high strength fast-setting mortar and not sand/cement mortar, e.g. Instarmac M45/M60 or similar.

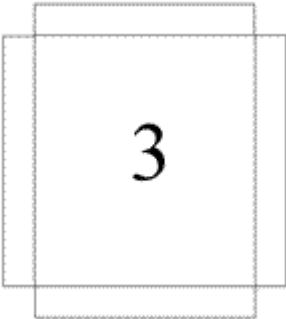
Plank Layout



Internal Opening size	610mm x 610mm
Plank Sizes	610mm x 100mm
	or 610mm x 150mm
	810mm x 100mm
	or 915mm x 150mm
Internal Opening size	675mm x 675mm
Plank Sizes	675mm x 100mm
	or 675mm x 150mm
	875mm x 100mm
	or 975mm x 150mm
Internal Opening size	590mm x 590mm
Plank Sizes	690mm x 100mm
	or 740mm x 150mm
Internal Opening size	900mm x 900mm
Plank Sizes	1000mm x 100mm



or 1050mm x 150mm



Internal Opening size

675mm x 675mm

Plank Sizes

675mm x 100mm

or 675mm x 150mm

Internal Opening size

610mm x 610mm

Plank Sizes

610mm x 100mm

or 610mm x 150mm