



Aluminium Jointing Chamber & Access Cover Set 1200 x 400 x 700H

GUIDELINES for PATHWAY INSTALLATION

Note: All Aluminium Chambers are rated to Class D (Roadway) Load Strength

Standards: Access Cover Sets: AS 3996:2006
Chambers: Telecom NZ Ltd Specification 11644 (VER2 Feb 2004)

Pathway Installation

1. Assemble jointing chamber (see Jointing Chamber Assembly Instructions).
2. Bolt the cover set frame down using the adjustable M16 S/S threaded rods supplied. Ref Fig 1.

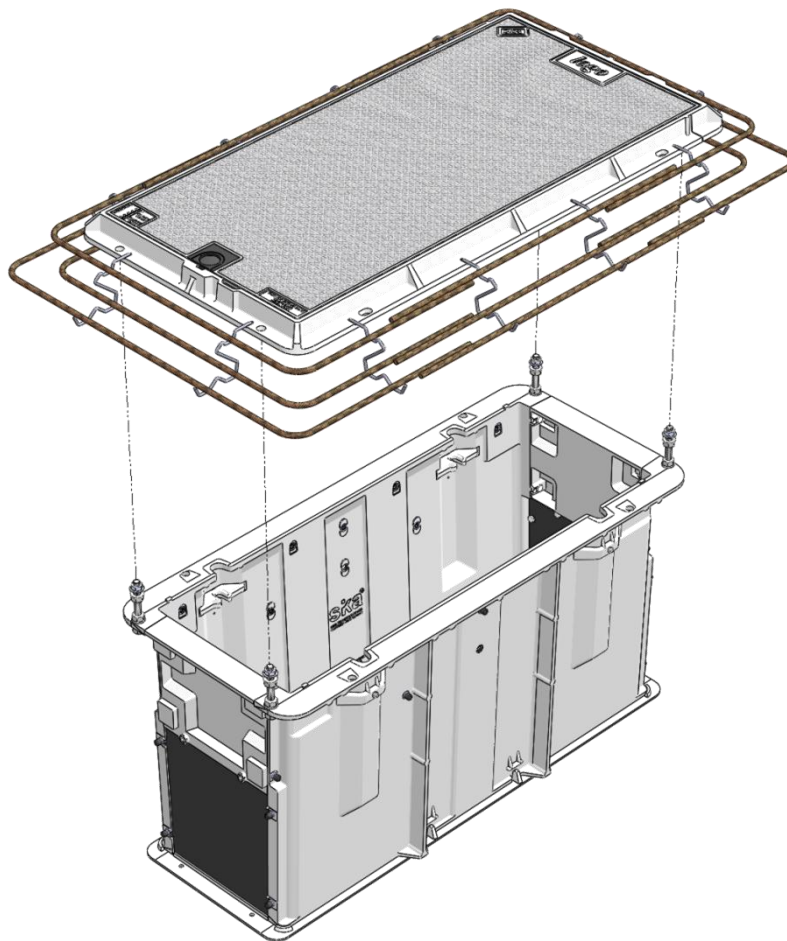


Fig 1

- Place the chamber into the prepared pit, and make level on compacted hard fill to accommodate the chamber base at the required height so that the cover set frame sits flush with the finished ground level. Where there is existing ducting the chamber may be assembled in the pit.

Compacted bedding of nominal depth 200 mm is to be used.

- Sika Pathway Cover Sets can be positioned at a required height and ground slope to match the finished pathway gradient.**

To achieve this, adjust the threaded rods to locate the frame in place, then use shuttering between the suspended access cover set frame and the chamber top flange to seal the chamber for pouring the concrete support collar. Shuttering will be supplied by the contractor.

- Mark and cut the polypropylene duct entry panel to suit ductwork. (See Assembly Instructions)
- Backfill chambers with mechanically compacted layers of evacuated material if the material is of a suitable type. The compaction shall be of a standard equivalent or more than that of the surrounding ground. If the evacuated ground is unsuitable imported hard fill shall be utilised. Ref Fig 2

The maximum backfill level will be 50 mm below the chamber top flange. This means the concrete support collar will always envelop the chamber flange.

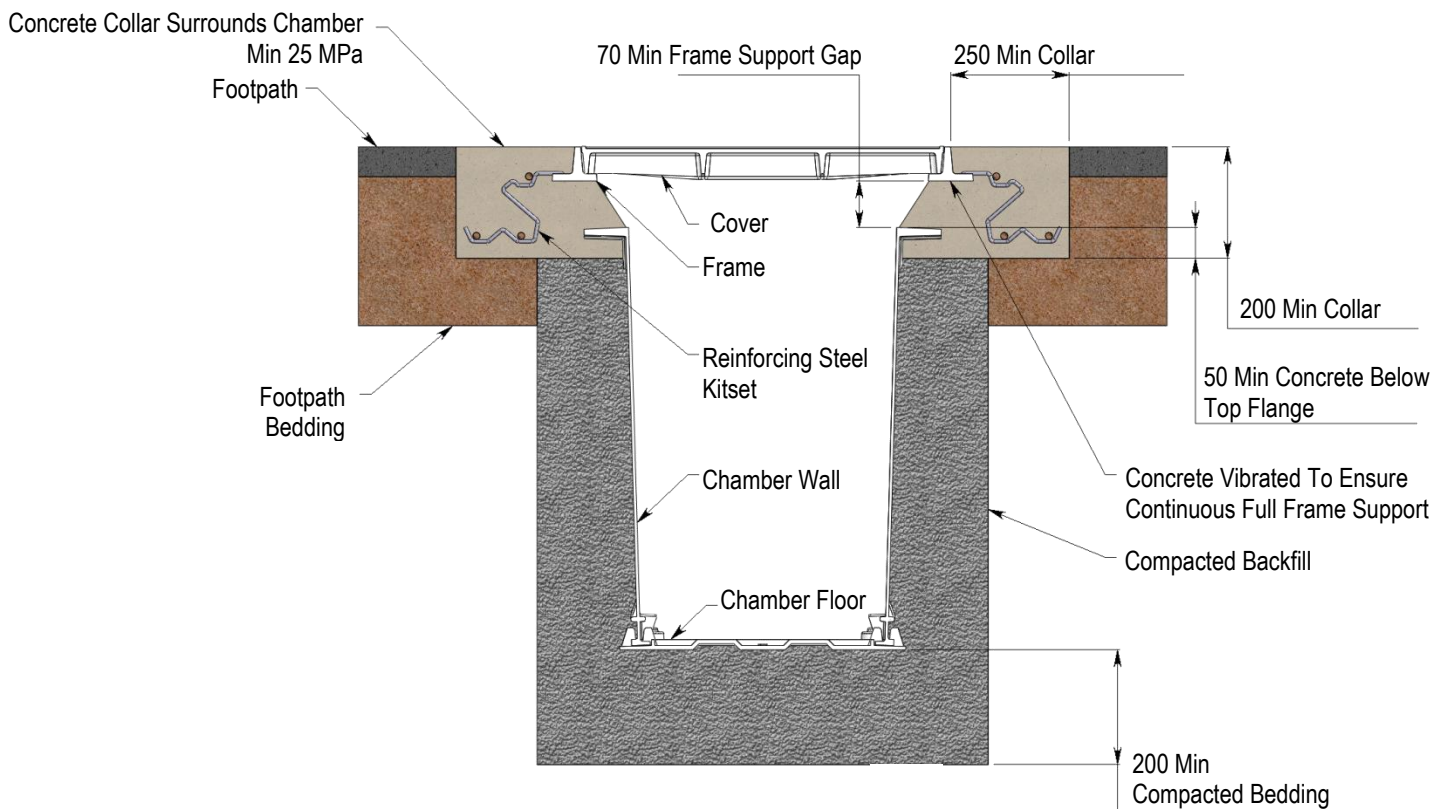


Fig 2

7. Concrete Collar:

Use minimum concrete strength 25 MPa at 28 Days complete with Sika Reinforcing Steel Kit Set. The minimum concrete support collar is 250 x 200 mm.

The cover set cannot comply with the 80 kN loading required by AS:3996 Standards without the correct concrete support. The distribution of concrete under the load bearing face of the frame must be complete (no voids). Use a portable concrete vibrator.

Fit the cover into the frame and lock it into place before pouring the concrete surrounds to avoid any possible frame distortion during the curing cycle.

Set the cover set frame flush with the ground surface.

Colour and broom finish the concrete collar if required.

Remove all debris from the frame seating area before installing the cover and locking it into place.

Replace dust covers.