

# INSTALLATION INSTRUCTIONS

## COMPOSITE COVERS MANHOLE COVERS

These instructions are suitable for manhole cover types:

Type	Size						
	CC4545	CC4560	CC6060	CC0600	CC7575	CC0900	CC0900IP
Pedestrian Water Resistant	●	●	●				
Vehicular Water Resistant	●	●	●				
Vehicular Water Tight				●	●	●	●



## Health & Safety

Please read these instructions fully before attempting to install the manhole cover. Only use supplied combined Lift stick and locking key to remove cover from frame.

## Installation

- Remove all protective packaging from the cover and place on clean level surface.
- Unlock turnbuckles by ¼ turn counter clockwise.
- Remove cover.
- Inspect rim and cover for shipment damage.
- Report any damage prior to proceeding further.
- Prepare the area ready for the installation of the cover taking account of the frame burial depth and desired finished surface level. We recommend a minimum finished base thickness of 200 mm in C30-35 concrete to achieve maximum load capabilities of EN124 C250 covers. See Figure 1



Figure 1

The dispersion of water away from the cover can be improved by crowning the cover slightly above the finished surface level. Typically a crown of 5–10 mm over a distance of 300 mm around the perimeter of the cover is found to be effective. See Figure 2

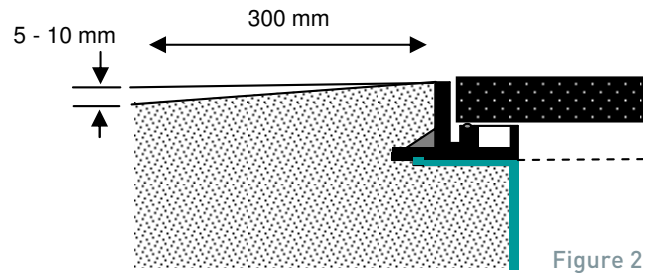
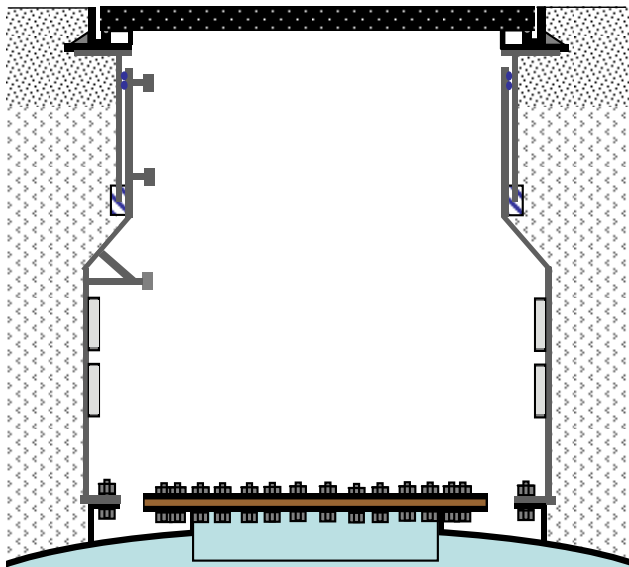


Figure 2

Care should be taken to ensure the removal of all air voids from the concrete immediately around and under manhole frame. Should covers be installed in continuous slabs of concrete with dimensions greater than 3m, the use of suitably constructed expansion joint is advised. Such joints should be filled with petroleum resistant mastic. When installing the covers with ChamberTite Access Sumps there is no requirement for an optional manhole cover skirt. See Figure 3



Concrete   
Backfill 

Figure 3

Upon completion of the primary installation the cover and frame should be thoroughly cleaned to remove excess concrete, special care should be given to the area around the seal and corresponding sealing face of the cover.

Composite Covers manhole cover seals are replaceable and are considered a service spare. The existing seal can be easily removed and the sealing channel cleaned of all silicon mastic. A continuous bead of mastic should be applied in the groove as bed prior to fitting the new seal.



Installation Help Line:  
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