

# Installation guide & sitework details

for 5000, 7500 and Maghatch series

These details are intended as a general guide to correct installation - it is appreciated that site practice can vary depending on the type of materials used etc.

Further advice is always available from our Technical Department who can be contacted between the hours of 9 am and 5.30 pm on 01920 463230, or alternatively you can email them at [info@howegreen.co.uk](mailto:info@howegreen.co.uk).

## Preparation

Covers are supplied ready for installation internally without further preparation. In external locations, or those that may be permanently wet, all aluminium surfaces in contact with concrete should receive two coats of bituminous paint.

## Single covers

- 1 The cover should be placed into the outer frame and securing bolts screwed in loosely if applicable.
- 2 The whole assembly should be bedded down to the correct level. Haunch mortar up on outside of outer frame when surrounding floor finish is laid.
- 3 Leave the bedding mortar to cure, then complete the surrounding floor finish.
- 4 The cover should now be filled without removing it from the outer frame and using spacers provided between cover and frame. (Note that the design loading and if applicable, fire resistance can only be achieved if the infill is equivalent to the 28 day cube strength of OPC concrete of 40 MPa.)
- 5 When properly set remove cover and clean taking care not to damage any seals. Make good pointing to the underside of the outer frame. Replace cover.

## Lifting and maintenance procedures

- 1 Remove all bolts from the lifting points using key provided.

- 2 Screw in by at least 12mm a lifting key into each lifting point. A lifting device should be used where the weight to be lifted exceeds the Manual Handling Operations Regulations 1992.
- 3 Lift out cover without dragging across outer frame to avoid damage.
- 4 Clean thoroughly both the seating and cover checking the condition of the double base seal and intumescent seal if fitted, also checking the top edge dirt seal. Then retreat the underside of the cover with waxoyl or similar inhibitor if required.
- 5 Replace cover carefully and insert all securing/plug bolts taking care not to overtighten.

**Should any of the seals, bolts or other removable components be damaged or missing they are available for replacement.**

## Maghatch

- 1 Place the face of the outer frame against the wall, and mark the hole position. Remove the outer frame and extend the marked lines to the corners to form a square or rectangular shape for the cut out.
- 2 Cut a hole in the wall board using a suitable saw.
- 3 Apply proprietary panel adhesive around opening then place outer frame into position.
- 4 The outer frame and cover can now be decorated separately and allowed to dry. Once dry the cover can be put into place to complete the installation.