

Installation guide

Below-ground channels/ducts/covers

If in doubt after reading this guide contact 01952 588885 for technical advice.

Health & safety requirements

1. Ensure all personnel are wearing safety clothing and equipment.
2. Always use lifting equipment supplied and ensure threaded lifters are fully screwed home. Lifting chains and equipment must have a minimum safe working load of two tonnes.
3. On excavated ground ensure trench sides are battered to minimise risk of slippage and keep lifting machinery well away from the edge of the excavations.
4. Before any excavations take place, check for underground services and locate by scanner or hand.
5. Always keep well clear of suspended components and under no circumstance try to clear any obstructions from underneath a suspended load.
6. If any cutting or grinding is required, wear appropriate goggles and mask to protect against hazardous concrete dust.

Note: The details below are for guidance only, and should be reviewed with regard to the actual ground conditions and applied loading.

Installation of channels

1. Prepare the formation to required level and lay granular or concrete base.
2. Position channel to required line and level.
3. Position adjacent channel joints together by inserting two dowel rods into the holes provided and butting the joints together with Sikaflex 11FC jointing compound.
4. Continue installation procedure to form required length of channelling.
5. Carefully place suitable backfill material around the channel to re-form to required finished levels.
6. Install services into the channel and place the lids.

Note : in trafficked locations, we recommend using a rubber membrane (3mm thick) for seating the lids onto the trough sides. This will reduce noise and vibration. Where the lids are subject to slewing from commercial vehicles, they may require fixing with an epoxy resin.

