

SCEC Endorsed Cable Pits/Plinths

– MANUFACTURER'S INSTALLATION GUIDE FOR PLASTIC PITS WITH CONCRETE PLINTHS

Pits with plinths are to be installed by excavating and positioning these enclosures along cable routes in the ground. These structures are to be supported with compacted backfill.

The following is a basic methodology for installing plastic cable pits with concrete plinths.

1. Excavate by allowing for the overall dimensions of the pit and plinth, including backfill.
2. Remove all loose material, level and compact all bearing surfaces of the excavation.
3. Install pit on a stiff wet concrete base, a foundation of cement stabilised sand or aggregate, depending on the application.
4. A drainage provision should be connected from the base of the pit (as specified).
5. Connect the cable conduit to the pit.
6. Seal pit and pipe connection with a proprietary sealant to prevent ingress (of moisture and silt) into pit during service.
7. Backfill the pit with cement stabilised sand or aggregate in layers and compact, ensuring:
 - pit is braced from distortion
(A pit expansion tool is available from ACO: Part No.142233).
 - pit is shielded from ingress.
8. Position plinth (with lid) both on the pit *and* on the compacted earth rebate, ensuring the top of the plinth is level with the finished floor level. Plinths must be “physically fastened” internally to the pit e.g. strap fastened to both pit and plinth. This is a SCEC requirement.
9. Continue to backfill and compact around the plinth.
10. Plinths must be secured with a SCEC approved SL3 rated padlock (shackle of a minimum diameter of 11 mm). This is a SCEC requirement.

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