

Installation Information

A correctly installed ACO CABLEMATE system involves the following:

1. Correct Cover Type.
2. Correct Pit/Duct Type and Size.
3. Minimum grade 25MPa correctly sized concrete bed and surround.

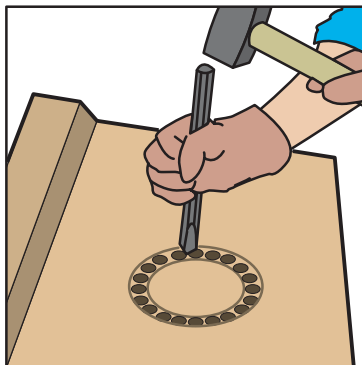
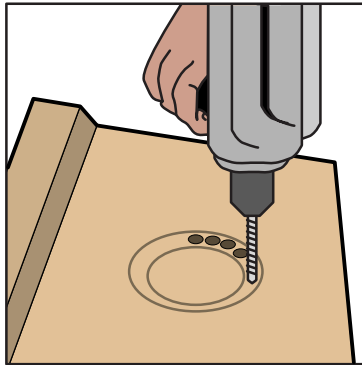
Polymer Concrete pits installed in trafficable areas must conform to the minimum cement concrete dimensions shown in the following illustrations. These dimensions are based on good ground conditions.

Engineering advice may be necessary for certain applications. All installations should conform to accepted building standards and as directed by relevant Authority inspectors.

For trafficable areas the surface of the cement concrete surround (or pavement if asphalted to the edge of the pit/duct) must be finished approximately 3mm above the pit/cover edge.

HDPE Plastic pits are recommended only in landscaped areas.

Note: For flexible pavement applications involving the installation of an access cover, a temporary base haunch should be provided to protect the exposed edge frame from construction traffic.



Cutting and Joining Conduit Entries

Polymer Concrete Pits:

To cut a conduit entry into a Polymer Concrete pit, the hole position should be suitably marked (or a precast hole guide should be chosen from those cast onto the wall of the pit). The hole is then 'stitch' drilled with a suitable masonry drill and the unwanted material core removed with a sharp cold chisel.

Alternatively, the hole can be removed by using a small diameter masonry grinder to cut around the hole in the pit wall. Rotary saws with tungsten tips can be used to cut entry holes into Polymer Concrete pits.

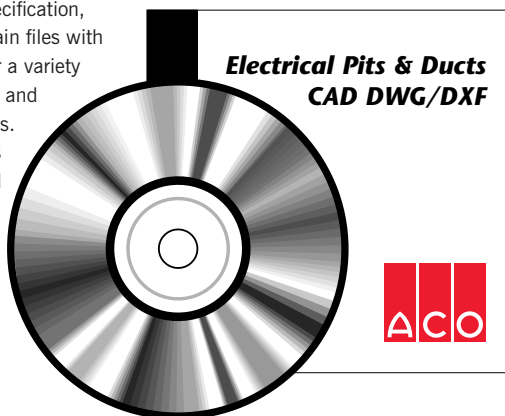
Plastic Pits:

The easy to cut, soft moulded plastic can be easily cut in the appropriate positions with either a rotary saw of the correct diameter or by drilling a hole and using a keyhole saw/jigsaw. After the hole is cut, the edges should be deburred by means of a sharp knife. The conduit should be inserted into the pit and sealed with an appropriate sealant, or by means of a grommet of insulating material.

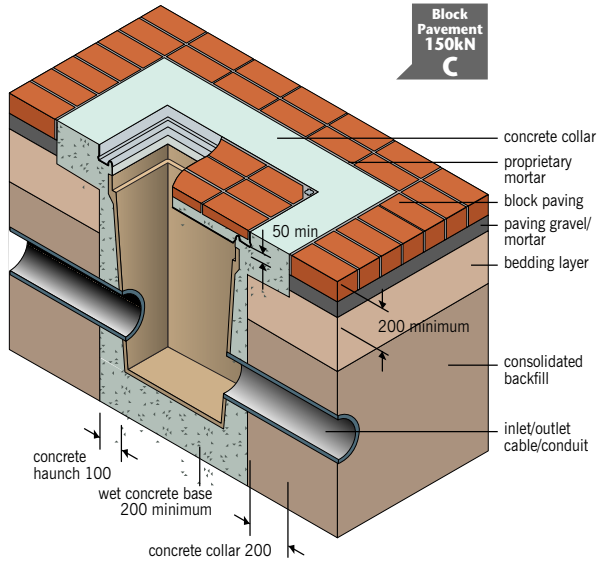
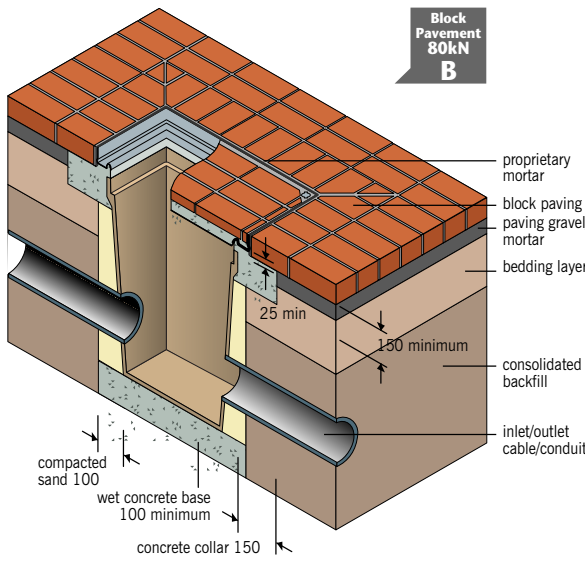
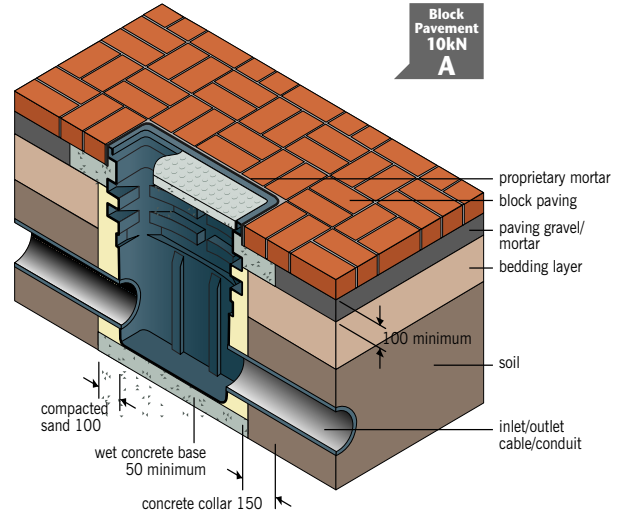
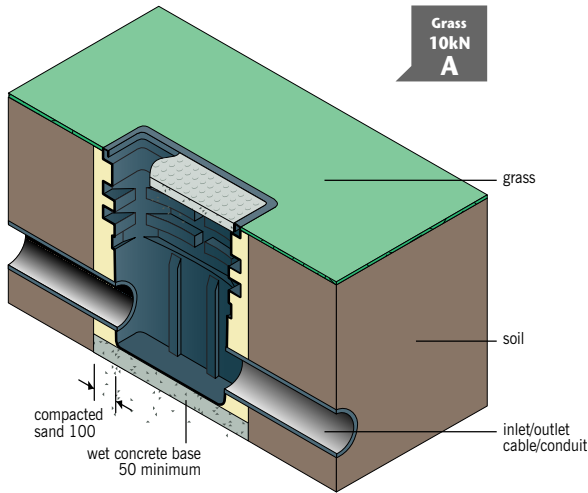
For further advice on cutting holes in electrical pits contact ACO.

ACO CABLEMATE products are clearly illustrated on ACOCAD Disks. The disks are available in both DWG & DXF formats. The DWG format is for use with AutoCAD and many other CAD programs.

To simplify specification, the disks contain files with illustrations for a variety of load classes and pavement types. All illustrations may be altered to meet individual criteria.



Installation Information – Pits



Installation Information – Ducts

