

ACO CABLEMATE Material Technology

ACO is a world leader in non-metallic material technology.

ACO CABLEMATE pit bodies are manufactured from HDPE plastic for lightweight, light duty applications where rigidity of the pit is not critical and polymer concrete for heavier duty applications where rigid pit bodies are required. The ACO CABLEMATE range uses a variety of materials for covers.

Polymer Concrete

'Polycrete' is ACO's trade name for polymer concrete produced in Australia. It is a versatile, durable, composite material produced by mixing a variety of mineral fillers with a binding plastic resin. Its high strength makes it ideal for pit bodies.

Material Features

- High resistance to chemical and biological attack.
- Lightweight compared to cement concrete products.
- Excellent noise and vibration absorption.
- Excellent dielectric properties.
- Good weathering and UV resistance.
- Zero water absorption.
- Can be cut with masonry drills and grinders.
- Can be recycled as rubble or crushed for use as road foundation.

Rigid All Duty



HDPE Plastic

High Density Polyethylene (HDPE) is an easily moulded plastic material making it ideal for the complex shapes of the ACO CABLEMATE plastic pit bodies. The resulting product is lightweight, durable and will withstand severe handling. HDPE is ideal for light duty applications, where the flexing of the material is not a major concern.

Material Features:

- High resistance to chemical and biological attack.
- Lightweight.
- Durable to withstand severe handling.
- Easy to cut with drills and saws
- Zero water absorption.
- Excellent dielectric properties.

Flexible Light Duty



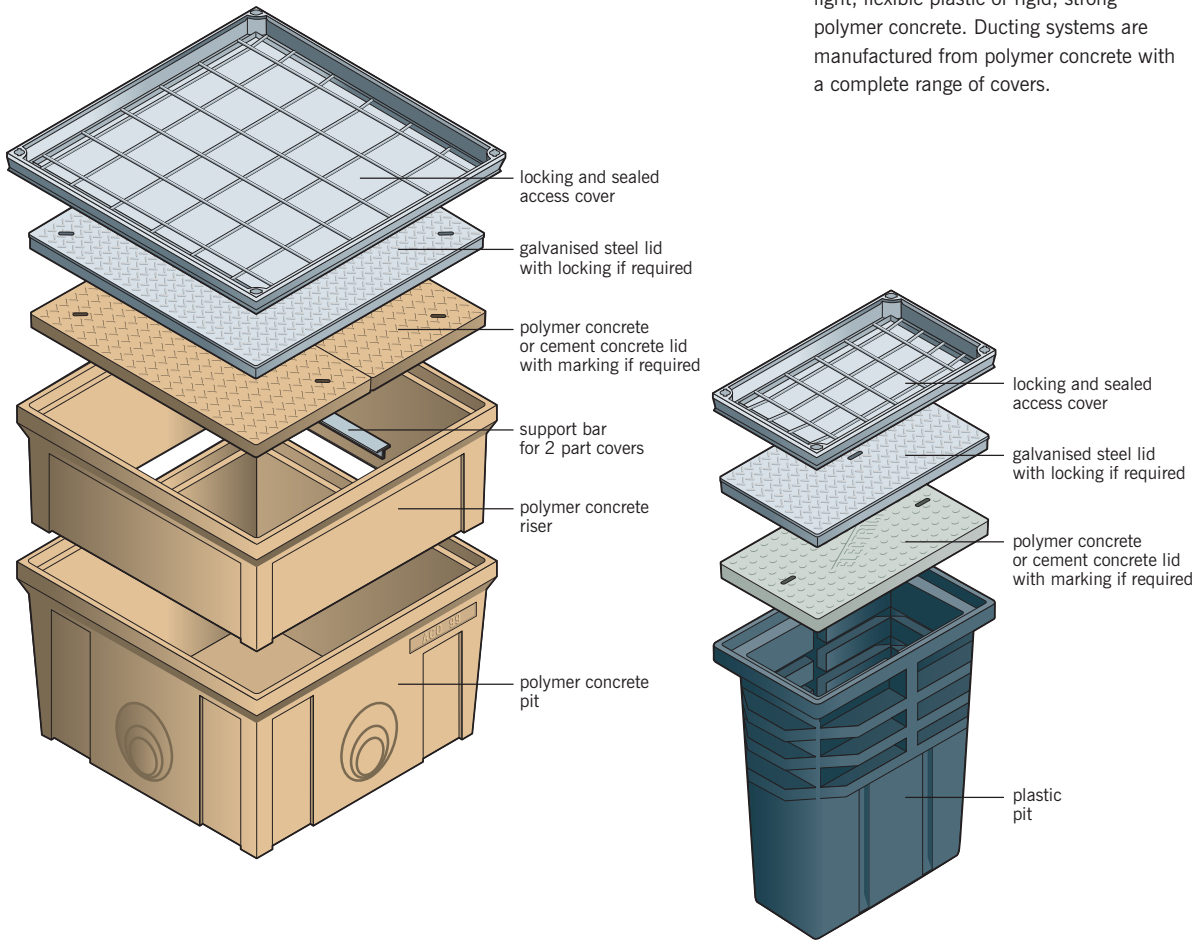
Other Materials

ACO uses a variety of different material for covers depending on the applications. Covers are available manufactured from Portland cement concrete, Polymer concrete, fabricated steel and stainless steel. When steel is used it is galvanised to the AS1650/1980 standard. The cover material is determined by cost, application and performance required.

A Complete System Of Electrical Pits, Covers and Ducting Systems

ACO offers a complete range of products for all applications. Electrical pits are available with a variety of covers for all applications – aesthetic, security, and loading. Pit bodies are available in either light, flexible plastic or rigid, strong polymer concrete. Ducting systems are manufactured from polymer concrete with a complete range of covers.

Electrical Pits



Ducting Systems

