

FLEXI-Pit

The adaptable pipe-invert-level catch pit for trackside drainage

The FLEXI-Pit is a Network Rail and London Underground approved trackside drainage system.

Cubis' FLEXI-Pit offering utilises the STAKKAbOX™ ULTIMA access chamber, a system that is strong, structural and meets on-site manual handling requirements. Installation is safe, easy and rapid on site and can be lifted in a complete unit into the excavated position.

The FLEXI-Pit incorporates a sliding backfill barrier that is easily adjusted on site to achieve the correct pipe invert levels; removing the need for detailed technical drawings and the creation of individual parts, replacing them with standard stocked items, which will allow for rapid turnaround on all chamber components.

The innovative backfill barriers allow for up to 150mm vertical alteration on the backfill barrier frame allowing full customisability on site. The STAKKAbOX™ ULTIMA ring sections are 150mm in height and by adding or removing sections; the invert of the pipe can be altered within the boundaries of the chamber.

At a glance

- Reduced lead time
- Rapid installation & reduced track possession time
- Reduced installation costs
- Lightweight and safe
- Flexible on site
- Matches concrete for strength
- No additional tooling required
- Compatible with the existing drainage network
- Fully customisable system arrangement
- Factory produced to ISO 9001 and 14001

Approved and used by:



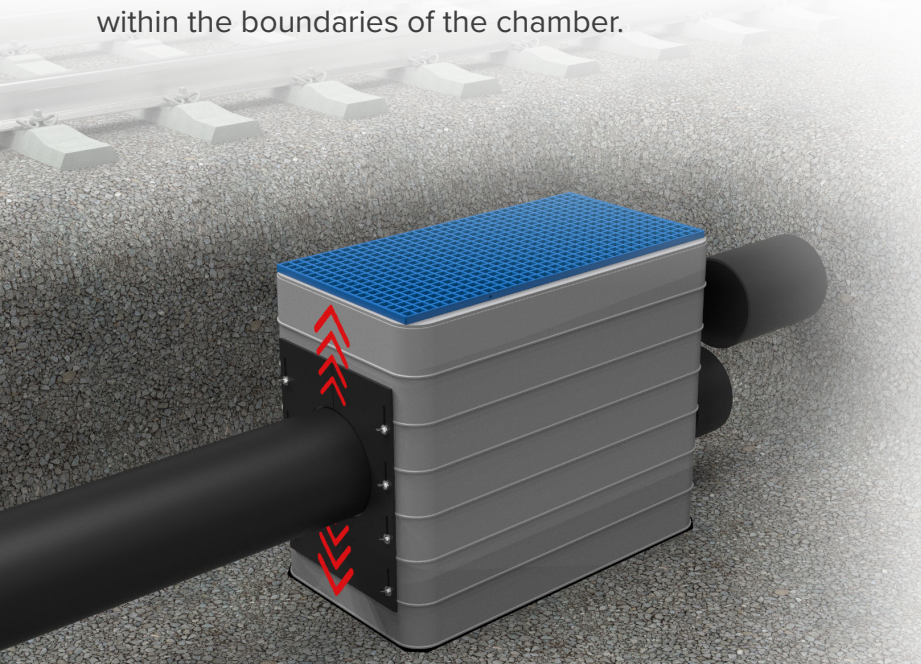
Certificate #: PA05/635



Registration #: 1643



East Manchester Line



Product Advantages



Reduced Lead Time

Assembly of chambers can be quickly achieved from the stock components, resulting in the dispatch of products possible within 24 hrs of receipt of order.



Fast and Easy Install

Speed is critical during limited track procession times and with a typical 18 minute install time per unit, this ensures the avoidance of delay penalties.



As strong as concrete

The system is suitable for use in all areas of the track, as verified by a testing carried out by Network Rail in association with the University of Birmingham.



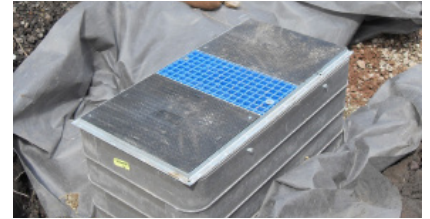
No Additional Tooling

The FLEXI-Pit back fill barrier height can be altered through hand adjustment, with our square bolt and wing-nut screw fittings. If further adjustment is need rota the backfill barrier 180° to increase the amount of adjustment.



Adaption on Site

STAKKAbOX™ ULTIMA is built in stackable 150mm sections, allowing for the addition of extra depth as required. The backfill barrier height can be adjusted on site by hand



Customisable Solution

The FLEXI Pit system can be adapted to meet specific on site needs with a range of chambers, sections, barriers and covers to select from at purchase

Technical Details:

Product Makeup

Access Chamber: STAKKAbOX™ ULTIMA Also available in a fire retardant version	Glass Reinforced Polyester Resin
Access Covers: AX-S™ Composite (A15 / B125) Isophthalic Grate Phenolic Grate (Fire retardant) Steel or GRP Frame	Glass Reinforced Polyester Resin Glass Reinforced Polyester Resin Glass Reinforced Polyester Resin
Extras: Demco TerraDrain pipe or Twinwall Pipe	Polyethylene

Testing

The Drainage Catch Pit was tested by the School of Engineering at the University of Birmingham with a procedure agreed with Network Rail in 2009.

The Cubis system was found to easily withstand the sidewall pressure that is generated by being in close proximity to the track sleepers.

Standard Sizes:

Chamber Type	Internal Dimensions (mm)		External Dimensions (mm)		Depth (mm)	Section Weight (kg)	No. of Sections	Maximum Pipe Entry Diameter (OD) on Narrow Wall	PADS No.
	Length	Width	Length	Width					
ULTIMA	1160	380	1287	507	900	15	6	280mm	057/100698
ULTIMA	1200	600	1326	726	900	19.3	6	450mm	057/100699
ULTIMA Connect	1200	675	1335	810	900	22.9	6	500mm	057/101492
ULTIMA Connect	1200	750	1335	885	1050	23.4	7	560mm	057/101497
ULTIMA Connect	1200	1000	1335	1135	1050	25.9	7	>630mm	057/101507
ULTIMA	1310	850	1445	985	1050	20	7	>630mm	057/101660
ULTIMA Connect	1350	900	1485	1035	1050	29	7	>630mm	057/101502
ULTIMA Connect	1350	1350	1485	1485	1050	35	7	>630mm	057/101512