



Drainage Catch Pit

The modern alternative to concrete catchpits for trackside drainage

The Drainage Catch Pit is a Network Rail and London Underground approved trackside drainage system.

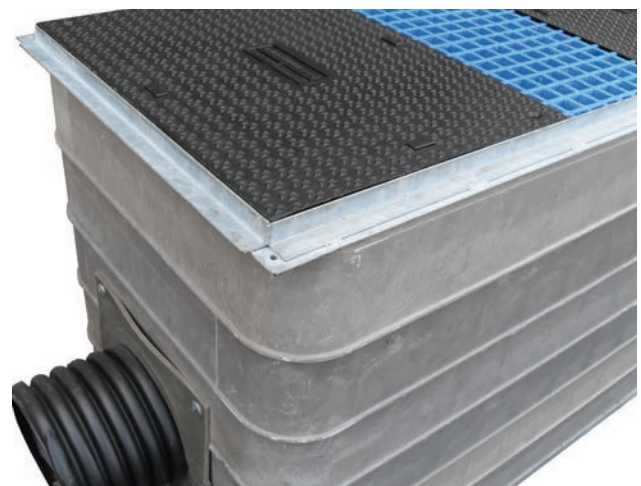
The CUBIS Drainage Catch Pit utilises the STAKKAbOX™ ULTIMA access chamber, a system that is strong, structural and easily meets on-site manual handling requirements. Installation is safe, easy and rapid; two people can lift a complete unit into the excavated position.

The system is approved for Network Rail and London Underground in three different clear opening sizes. It is possible to increase or decrease the depth in increments of 150mm due to the sectional ULTIMA system.

The Drainage Catch Pit has also been adapted for use on the Manchester Metrolink extension in a number of bespoke sizes.

At a glance

- Rapid installation
- Lightweight and safe
- Matches concrete for strength
- Flexible on site
- Reduced installation costs
- Compatible with the existing drainage network
- Factory produced to ISO 9001, 14001 and 50001



Approved and used by:



Certificate #: PA05/04067



Registration #: 1643



East Manchester Line

Product Advantages



Fast to install

Those extra minutes count. The CUBIS system is installed in 18 minutes per unit (typical), which means making more of limited track possession times.



Lightweight and Safe

All component parts weigh less than 25kg, the manual handling limit for one person. A complete standard unit can be maneuvered into position by two people.



As strong as concrete

The system is suitable for use in all areas of the track, as verified by a test carried out by Network Rail and the University of Birmingham (see Testing, below).



Flexible On Site

STAKKAbOX™ is built up in stackable 150mm sections, so it is easy to add extra depth. The GRP material can be easily drilled on-site with standard tools to accommodate existing networks.




Low Installation Costs

There is no requirement for expensive equipment or skilled labour. Once in position, the Drainage Catch Pit is surrounded with pea gravel and ballast - no concrete surround is required.



Complete Solution

CUBIS works with drainage pipe manufacturer  DEMCO to provide a 'one stop shop' for constructing drainage systems.

Technical Details:

Product Makeup

ACCESS CHAMBER:

STAKKAbOX™ ULTIMA Glass Reinforced Polyester Resin

ACCESS COVERS:

AX-S™ Composite Glass Reinforced Polyester Resin
Isophthalic Grate Glass Reinforced Polyester Resin
Steel or GRP Frame

EXTRAS:

Demco TerraDrain pipe Polyethylene
or Twinwall Pipe

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			Section Weight	Sections	Cover Type:	No. of Covers	PADs no.
	L (mm)	W (mm)	Depth (mm)					
ULTIMA	1160mm	380mm	1050mm	11.4kg	7 [†]	AX-S™ Composite	2	057/100698
ULTIMA	1200mm	600mm	1050mm	18.9kg	7 [†]	AX-S™ Composite	2	057/100699
ULTIMA	1200mm	900mm	1050mm	11.3kg	6	AX-S™ Composite	2	

Approved By:

Network Rail	LU
Y	Y
Y	Y
	Y

[†] London Underground typically specify 6 sections (900mm deep)
Bespoke sizes possible for other transport operators.

SYSTEM_DRAINAGE	
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