

## Access Chamber Systems



**RADIUS**  
CTS

# RADBOX®

## Description

Radbox® is a high performance, pre-formed underground access chamber for all types of buried networks and utilities.

The chamber is delivered as a compact lightweight flat-pack consisting of easily assembled components.

Radbox® is a modular system comprising of wall panels and corner pieces which fit together to provide a wide range of chamber sizes.

- EN124 Class D400\*
- Moulded from High Density Polyethylene (HDPE) using structural foam moulding techniques
- Stress free mouldings with excellent long-term performance and chemical resistance
- Immediate load-bearing strength
- No need for concrete backfill

\*600 x 600 Chambers and above.

**NOTE**

For carriageway installation it is advised that the installer ensures a reinforced concrete C40 base, a full backfill surround of C40 concrete and an adequate cover slab that will, during operation, dissipate the top-load around the backfill and not directly onto the chamber. Final criteria to be verified by your structural engineers.

## Network Application

During new construction, Radbox® can be installed concurrent with duct systems.

- Simple - no lifting equipment
- Fast - enables access between peak traffic periods
- Reliable - pre-formed quality and strength

## Components

Pack includes wall panels, corner pieces, mounting bracket and closer plates.

## Packing

Compact packaging minimises transport costs, stockholding and storage space.



## FEATURES

- One stop installation
- Simple - Fast - Reliable
- Lightweight, flat-packed for cost effective transportation & storage
- Maximum flexibility of duct entry location in side or end walls
- Excellent vertical & sidewall stiffness
- No internal bracing required
- Excellent chemical & weathering resistance

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### Standard Sizes

Single wall panels are available in standard sizes which can be used in any combination to build modular chambers of required height, width and length.

### Extended Sizes

Longer chambers are possible using jointing pins to link multiple panels per side. These are reinforced with steel to assure wall stiffness.

### Dimensions - Clear openings

Single Panels	Extended Range		
	Width (mm)	2 Panels (mm)	3 Panels (mm)
	450	825	1200
	600	975	1350
	750	1125	1500
	900	1275	1650
	1050	1425	1800
		1575	1950
		1725	
		1875	
		2025	

### Covers & Frames

Covers and frames can be provided to suit the installation location.

- A15, B125, D400 Ductile Iron - Standard sizes available with ductile iron or
- galvanised steel frames
- A15, B125, D400 Concrete Infill - Available for any size
- A15, B125, D400 Ductile
- A15, B125, D400 composite

### Multi-Chambers

Multi-chambers can be created by using special cross joints to interlink panels.

### Depth Options

All sizes are moulded in 500mm or 150mm deep panels. Units clip and stack together to produce the required depth.

### Width & Length

Any combination of standard wall panels.

### Depth

Any combination of 500mm and 150mm high panels.

### Furniture

Purpose designed accessories fix securely with special fastenings.

Floors are also available.

### Packing

Radbox® is available in flat packs providing easy handling, costeffective transportation and minimum storage space.

