



STAKKAbox™ Fortress Range

STAKKAbox™ Fortress

Introduction

STAKKAbox™ Fortress is a range of modular and structural preformed access pit systems, manufactured by Cubis Systems.

Fortress access pit systems deliver a strong and fast to install solution for constructing access pits. Suitable for use in carriageway and footway environments Fortress is suitable for Class B & C application requirements (AS3996) in accordance with Cubis’ installation guidelines.

The system provides contractors with a means of constructing access pit systems quickly and inexpensively, whilst offering improved build quality, reduced defects and enhanced site safety performance.

Supplied in 150mm deep twinwall rings, STAKKAbox™ pit systems are built by stacking sections to required depth. Each part weighs under 25kg, making it suitable for a single person to lift under manual handling guidelines.

The Fortress system is moulded in HDPE and possesses excellent strength to weight properties. Each section is ribbed internally to improve loading performance.

Using the Fortress system, complete pit systems can be constructed from excavation to reinstatement in less than one hour.

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Key Benefits

Carriageway Installs

STAKKAbox™ Fortress is strong enough to be used in environments that have vehicular traffic.

Fast Reinstatement

Complete pit systems can be constructed from excavation to reinstatement in less than one hour. This saves time and money for the installer and reduces public liability risk.

Reduced Costs

Compared to traditional alternatives, installation costs are lower due to faster installations and the lack of requirement for skilled labour or specialist lifting plant.

Flexible During Installation

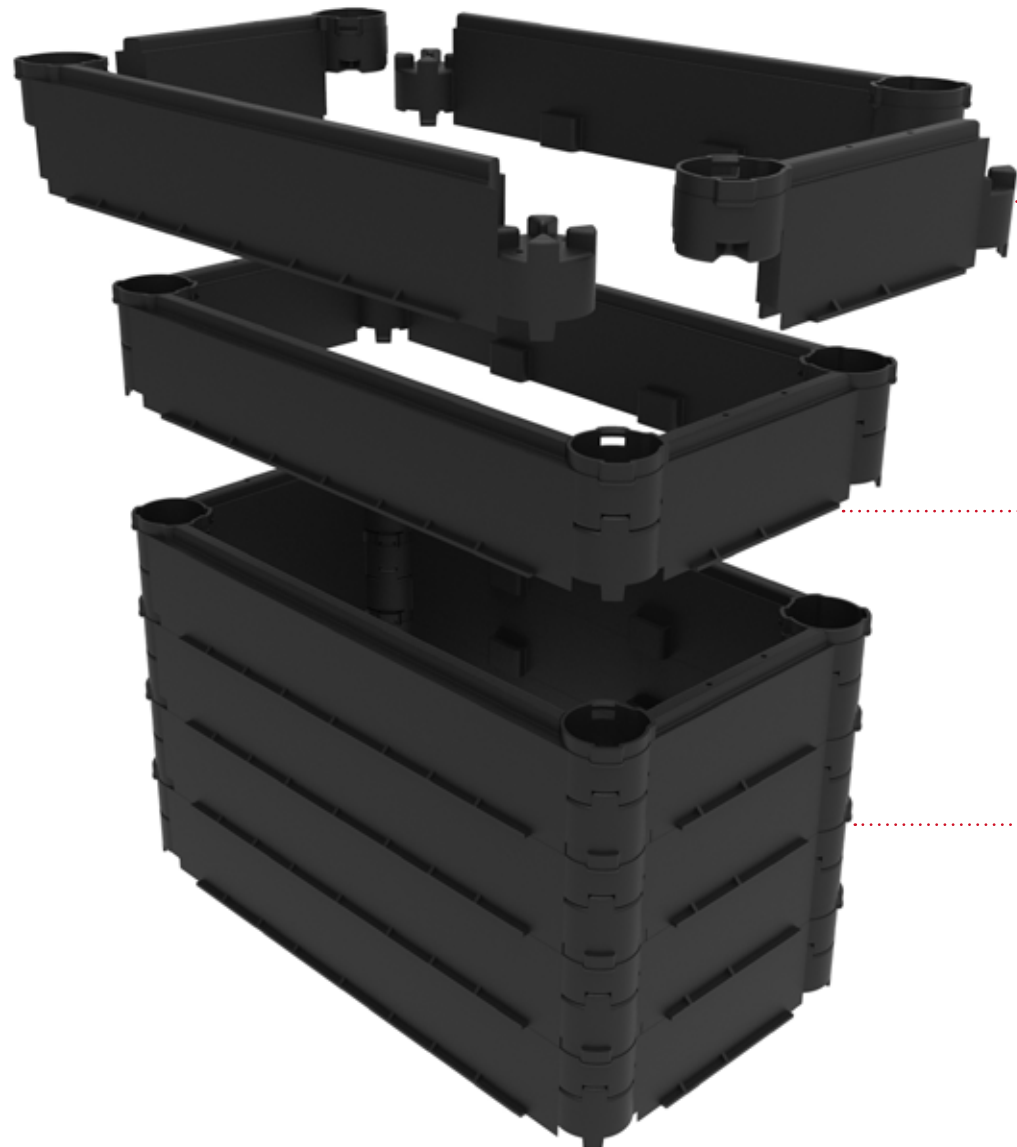
Duct entries can be easily created on site using a hole saw and drill. Sections can be cut to build over on existing networks.



Scan here to view STAKKAbox™ Fortress on our website



Product Design, Features & Profile



Flat Pack Design

Sections are built by connecting lengths in the corner. Can be flat packed to reduce shipping costs.

Stackable Sections

Pit systems are built by stacking sections to required depth.

Strength in the Corners

Fortress is strongest in the corners, where loadings are at their maximum.

Strength

Fortress has been extensively tested to ensure that it meets the loading requirements in a variety of installation environments.

The loadings match the vertical loading categories recognised in Class C (AS 3996) access tops for vehicular and pedestrian users.

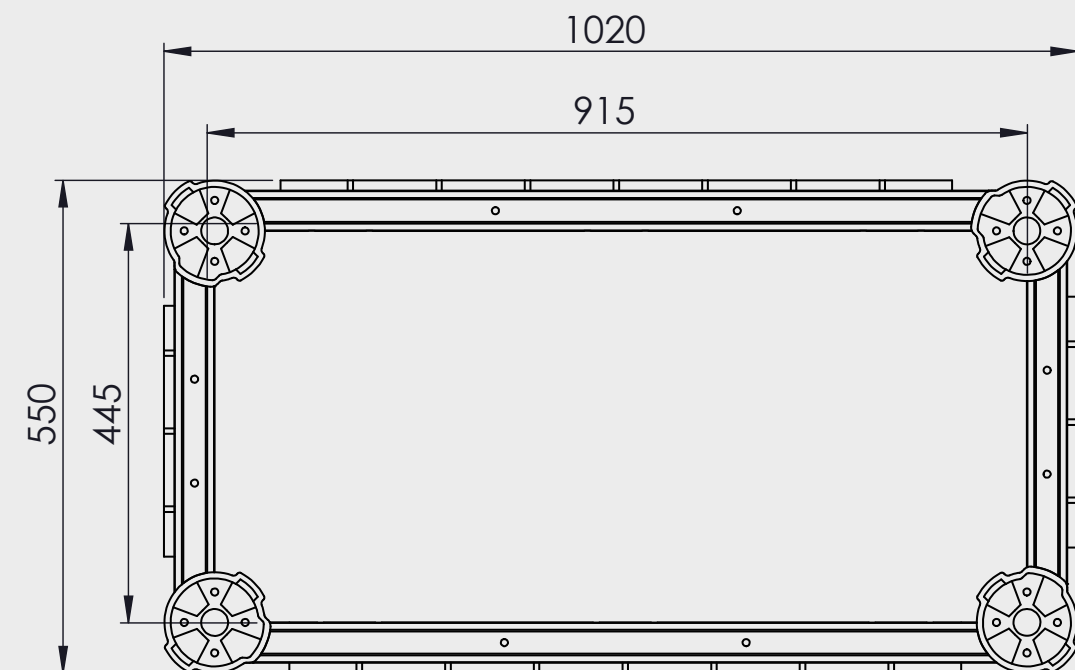
Installation guidelines are subject to change. Please consult our installation guide for up to date information.

Material Data

Fortress is moulded in Nitrogen Foamed High Density Polyethylene (HDPE).

Features:

- Excellent chemical resistance to ethanol, acetone, diesel etc.
- Unaffected by sulfate ground conditions.
- Recyclable
- Robust - no breakage waste
- Completely impervious to water
- Nitrogen injection creates cellular core (CFC free)
- High strength to weight ratio
- High stiffness to weight ratio
- Easy to cut for duct entries



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Driven by Innovation

Cubis Systems is Australia's leading manufacturer and supplier of network access pits and cable protection solutions used in the construction of infrastructure networks for Rail, Telecoms, Water, Defence, Construction and Power markets.

Cubis has developed an innovative approach in an old-fashioned industry. This has been achieved by developing quality products which replace traditional construction materials, like bricks and concrete, with lightweight plastics incorporating intelligent design features. These can then be installed faster and ultimately save our customers both time & money.

Cubis manufactures its preformed network access pit systems STAKKAbox™, cable protection system RAILduct™, MULTIduct™ multiple duct system and various AX-S™ access covers at its manufacturing sites throughout the UK and Ireland. These products are exported to more than 25 countries throughout the world. With additional manufacturing facilities located throughout Australia, Cubis provides customised, highly-engineered underground access solutions including their robust precast concrete and MONObox™ access pit systems, developed in partnership with leading Authorities and Asset Owners.

At Cubis we pride ourselves on delivering technical customer support, new innovation, product quality and the highest levels of customer satisfaction.

www.cubis-systems.com.au

