

Box Options

Product **Box**
445 x 445

Dimensions:
Inside **Outside**
L/W 445/445 **A/B 545/545**
X/Y 445/445 **E/F 545/545**

Product **Box**
600 x 445

Dimensions:
Inside **Outside**
L/W 600/445 **A/B 700/545**
X/Y 600/445 **E/F 700/545**

Product **Box**
600 x 600

Dimensions:
Inside **Outside**
L/W 600/600 **A/B 700/700**
X/Y 600/600 **E/F 700/700**

Product **Box**
915 x 445

Dimensions:
Inside **Outside**
L/W 915/445 **A/B 1015/545**
X/Y 915/445 **E/F 1015/545**

Product **Box**
915 x 600

Dimensions:
Inside **Outside**
L/W 915/600 **A/B 1015/700**
X/Y 915/600 **E/F 1015/700**

Product **Box**
915 x 915

Dimensions:
Inside **Outside**
L/W 915/915 **A/B 1015/1015**
X/Y 915/915 **E/F 1015/1015**

Options & Accessories:

Depth Options

Fortress products provide 150mm depth increments with each ring. Chambers are constructed from rectangular 'rings' which are in turn assembled from individual sides. Products can therefore be supplied as elements (3 sizes), rings (5 plan sizes) or assembled chambers to suit customer requirements and preferences.

Application Notes: Carson boxes are suitable for a wide range of applications, from grass verge (A15) to car park & footpath applications (B125). It is important to select the correct cover and frame and installation method to suit the loading and local conditions. Technical advice is available from Carson. These products are not designed for carriageway use. *All dimensions to nearest 5mm.* Due to our policy of continuous improvement, we reserve the right to change specifications without notice.



Material Data

(Specification available on request)

Structural Foam – High Density Polyethylene

HDPE has excellent chemical resistance to ethanol, acetone, diesel etc. and is 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

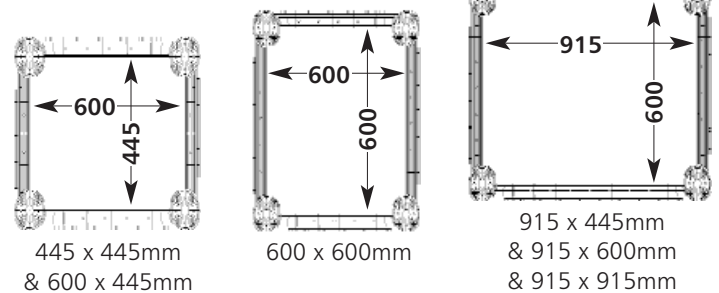
Properties of unfoamed resin	Test Method	HDPE
Tensile Strength	ISO 1926	21.37 - 37.92 N/mm ²
Flexural Modulus	ISO 1290 - 2	1103 - 1447 N/mm ²
Notched Izod Impact Strength	ISO 180 - 1A	270 - 800 J/M
Deflection Temperature	ISO 75 - 1	73 - 82°
Density	ISO 8962	0.955 g/cm ³
Chemical Resistance	–	Excellent
Water Absorption	–	None

Vertical Load Rating

When installed, meets the loading requirements of EN124 Class C250 i.e. 250kN (~25T) test load. Suitable for areas accessible to all slow moving traffic.



Other Dimensional Options



Cover and Frame Options

- Galvanised Steel Cover (B125)
- Concrete Infill Cover & Galvanised Steel Frame (EN124 Class B125)
- Cast/Ductile Iron Cover & Frame (EN124 Class B125)
- Ductile Iron Cover & Frame (EN124 Class D400)

Other options available on request.

Base Options

- Duct and pipe entries can be provided to suit customer applications
- Bottom plates/floors and grates to protect or locate internal equipment can be provided.

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