



At 123v Plc our philosophy is to combine four important elements to create the ideal solution: Design, Manufacture, Installation & Value



THE CANTILEVER CANOPY

Maximum projection from wall 3629mm

Material Specification

Most cantilevered canopies look similar, however they are significantly different.

Beams:

Our beams are hand laminated in Glass Reinforced Polyester (a modern-day version of fibreglass) to a specification suiting each individual project, including where necessary, special projections, moulded-in cutouts, and individual beam load requirements. Each outside beam, for example, has an endtrim fitted which stops water dripping off the side, feeding to the front fascia. This also gives a more finished appearance to the canopy. We consider using only standard beams inappropriate.

Sheeting:

The GRP roofing sheets (85% translucent) are machine formed to an exclusive profile with co-extruded ultraviolet filter (class-3 fire rating). This sheeting is designed by our own R&D department to provide maximum strength with an expected service life of 30yrs. Our sheeting conforms to British Standards.

Wall fixings:

Wall fixings are manufactured by Hilti Great Britain. These would normally be mechanical (20mm diameter) or chemical anchors depending on the base material to which the beams are being attached.

Fascia:

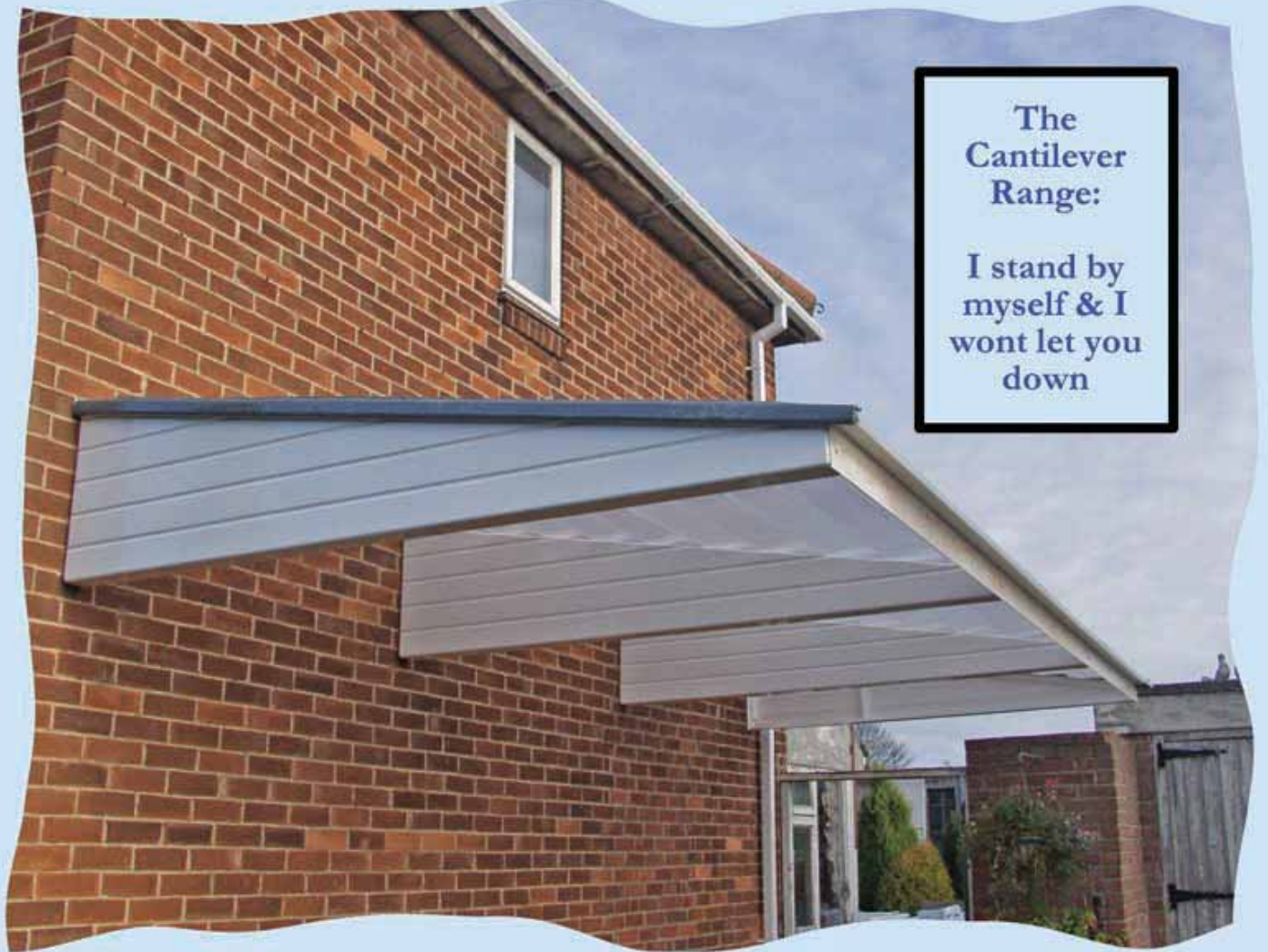
Fascias as standard are in structural grade alloy 6082T6 (BS1474), powdercoated (BS6496). Although a plastic fascia would be cheaper, it would spoil an otherwise highly specified product.

Brackets:

On occasion circumstances dictate that load-spreading brackets are required. These brackets are fabricated in grade-43 steel, galvanised (BS EN ISO 1461) and powdercoated (BS6496). This finishing of the brackets is to a marine specification and will not require any maintenance. Brackets are only added so as to comply with BS6399 part3.

**The
Cantilever
Range:**

**I stand by
myself & I
won't let you
down**



Cantilevered
freedom



Strength with
appearance

Quality
everytime



THE TRADITIONAL CANOPY

Single Pitch maximum projection from wall 10200mm

Dual Pitch maximum projection from wall 7258mm

Material Specification

Beams & posts:

Our beams (97mm & 240mm) are extruded in structural grade aluminium 6082T6 (BS1474), powdercoated (BS6496). Posts are fabricated in grade-43 steel, galvanised (BS EN ISO 1461) and powdercoated (BS6496).

Ground work:

New concrete foundations where required.

Sheeting:

As with our Cantilever range, the Traditional Glass Reinforced Polyester roofing sheets (85% translucent) are machine formed to an exclusive profile with co-extruded ultraviolet filter (class-3 fire rating) with an expected service life of 30yrs, conforming to British Standards.

Wall Fixings:

Wall fixings are manufactured by Hilti Great Britain. These would normally be mechanical (20mm diameter) or chemical anchors depending on the base material to which the beams are being attached.

Fascia:

Fascias as standard are in structural grade aluminium 6082T6 (BS1474), powdercoated (BS6496).

Brackets:

On occasion circumstances dictate that load-spreading brackets are required. These brackets are fabricated in grade-43 steel, galvanised (BS EN ISO 1461) and powdercoated (BS6496). This finishing of the brackets is to a marine specification and will not require any maintenance. Brackets are only added so as to comply with BS6399 part3.

The
Traditional
Range:

Made to
measure, not
made to fit



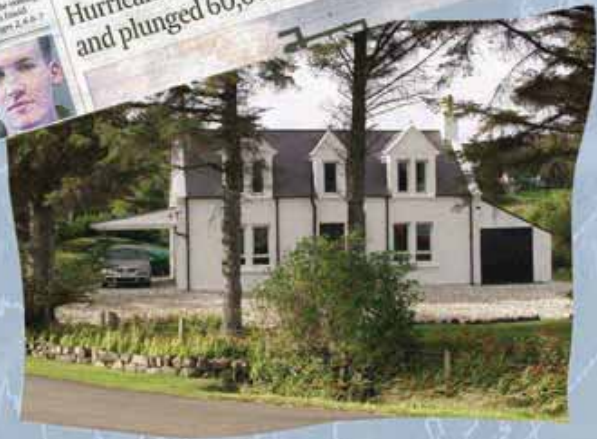
**The
Traditional
Range:**

**You name it,
we cover it**



PRODUCT STRENGTH

The philosophy at 123v Plc is to base the strength of our products on engineering principles. This enables outstanding structural performance over a long period of time. Many people however agree there is nothing like a real test of nature. To confirm our calculations correct, please find a testament below where one of our structures experienced wind speed in excess of 120mph.



TRANSCRIPT OF LETTER

Lanmermuir
Flodigarry
Isle of Skye
IV51 9HZ

15.01.05

Dear Robin,

You may remember that your team recently created a cantilever car port 18" x 10" at the gable end of my croft house on the Isle of Skye. As I live only a few yards from the shore I needed your assurance that the structure would withstand very high winds which regularly batter the island in the winter.

On the night of the 11th January the area was in the eye of a severe storm with gusts reaching hurricane force and locally recorded at 124mph. Although a great deal of damage was sustained to my sheds, fences and trees, the car ports remained firmly affixed to the croft and sustained no damage. The storm was one of the worst in living memory on Skye.

Your calculations were correct, a testament to yourself and your product.

Many thanks

Regards

Kevin Penman

Lanmermuir
Flodigarry,
Isle of Skye IV51 9HZ.
15.1.05.

Dear Robin

You may remember that your team recently created a cantilever car port 18" x 10" at the gable end of my croft house on the Isle of Skye. As I live only a few yards from the shore I needed your assurance that the structure would withstand very high winds which regularly batter the island in the winter. On the night of the 11th January the area was in the eye of a severe storm with gusts reaching hurricane force & locally recorded at 124 mph. Although a great deal of damage was sustained to my sheds, fences & trees, the car port remained firmly affixed to the croft & sustained no damage. The storm was one of the worst in living memory on Skye. Your calculations were correct, a testament to yourself and your product.

Many thanks,

Kevin

Kevin Penman

At 123v Plc
we have a
contracts
division that
deals
exclusively
with school &
commercial
works



Protect the children from sunburn, rainwater and slippery grounds

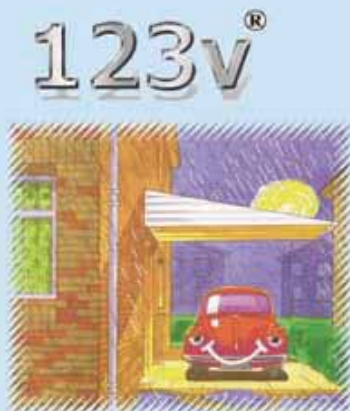


At 123v Plc we are unique in the marketplace by being able to offer a complete professional in-house service by specializing in the design, manufacture and installation of canopies, carports, covered walkways and other forms of shelter in cantilevered and traditional designs.

Each project is planned using 3D computer-aided design, taking into account structural calculations and the aesthetic requirements. Materials are manufactured in our factory premises to the needs of each individual client, and the installations carried out by our own fully-trained staff. Everything is made-to-measure, not made to fit. Whatever your need, we can do it.

We have fitted hundreds of canopies all over Britain. Only with this vast experience are we able to guarantee our canopies in extreme weather conditions with each maintenance-free product carrying a 10 year guarantee for all parts and labour.

Each complete project is approved under **British Standard EN ISO 9001:2000**, covering for the Design, Manufacture and Installation of Glass Reinforced and Other Laminated Structures.



SMILE™



WE'VE GOT YOU COVERED

Tel: 0800 783 3835

Email: mail@123v.com®

Website: <http://123v.com>®

123v Plc
Edgcott House, Lawn Hill, Edgcott
Aylsbury, Buckinghamshire
HP18 0QW
England
Tel: +44 01296 770 800
Fax: +44 01296 770 423

123v Plc
Canopy House, Ramsay Street
Coalsnaughton, Clackmannanshire
FK13 6LH
Scotland
Tel: +44 01259 753 800
Fax: +44 01259 753 801