

STRATCO FRONTIER CARPORT

BUILDING PRODUCT INFORMATION SHEET— CLASS 2



COMPANY NAME AND ADDRESS:

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BRANCH LOCATIONS:

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PRODUCT: Stratco Frontier Carport



DESCRIPTION

The Stratco Frontier Carport is a simple, well designed, freestanding carport, verandah and patio system that is economical and is excellent value for money. It has an unpainted finish and is made with a strong and durable steel frame design, sturdy C section beams and Superdek® roof sheeting.

Protect your car with the Stratco Frontier Carport, Verandah and Patio System ensuring safe, secure cover from the elements or expand your outdoor living and storage possibilities.

Stratco Frontier's heavy duty roof sheeting keeps your car cool all year round and provides safe, secure cover from even the largest hail stones and bad weather.

The Stratco Frontier system is the ideal do it yourself project. Delivered as a complete package with clear, concise instructions, and all components needed to finish the job. The durable Stratco Frontier Carport is a lasting investment. The frame is constructed with strong, galvanised C section beams, and the roofing is manufactured from high quality zinc/al.

The Stratco Frontier carport, verandah and patio system is locally manufactured to strict standards. Designed to suit New Zealand specifications, Stratco can provide a complete set of engineering specifications for quick local government approval.

The Stratco Frontier is 2.400m high and available in two sizes, Single: 3.1m wide x 5.5m long and Double: 5.4m wide x 5.5m long

PLACE OF MANUFACTURE

New Zealand

DESIGN CONSIDERATIONS

- Stratco Frontier Carport is 2.400m high and available in Single and Double sizes
- Single Carport— 3.1m wide x 5.5m long
- Double Carport— 5.4m wide x 5.5m long
- Complete kit includes: Superdek® roof sheeting, barge capping, SHS columns/posts, C-Section beams, gutter and stop ends and downpipe (including bracket and elbow). On select Frontier designs intermediate beam— bridging and purlin included
- While a building consent is not generally required for carports under 40m², all building work must still comply with the New Zealand Building Code—refer www.building.govt.nz/buildit/which-projects-no-longer-need-a-building-consent/. Check with your local Council before commencing.
- All Stratco Frontier Carport systems are supported by in-house engineering that is reviewed and certified by independent structural engineers. Producer Statements for Stratco Frontier Carport systems are available on request
- Stratco Frontier Carport systems meet the requirements of NZ Building Code NZS 3604:2011—Wind Loads Low, Medium and High Wind Zones and Roof snow load limited to areas with less than 0.7kPa as noted in AS/NZS1170.3: 2003 fig 2.2
- It is important to ensure Stratco Outback® systems are suitable for the location it is to be used in to ensure it meets the minimum durability requirements of the NZ Building Code and satisfy customer expectations. The boundaries of different corrosion zones in New Zealand are difficult to define because many factors determine the corrosivity of a particular location. Contact your [nearest Stratco](#) to confirm suitability for your location.
- Available as a kitset package for a DIY project or have the complete package installed by an Authorised Stratco Dealer.
- For further information refer: www.stratco.co.nz/nz/patios/frontier-carport/

MATERIAL COMPOSITION & COATINGS

Metallic coated Galvanised and Zinc/alum coated steel substrate conforms with AS 1397:2011.

BUILDING CODE COMPLIANCE

The product will, if used in accordance with Stratco's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- **Clause B1 Structure:** B1.3.1, B1.3.2, B1.3.3 (b, c, f, g, h, j), B1.3.4
Stratco Frontier Carport meets the performance requirements of B1.3.1, B1.3.2, B2.3.3 (b, c, f, g, h, j), and B1.3.4.
- **Clause B2 Durability:** B2.3.1 (b) 15 years
- **Clause E2 External Moisture:** E2.3.1
Roofs must shed precipitated moisture. In locations subject to snowfalls, roofs must also shed melted snow.
- **Clause F2 Hazardous building materials:** F2.3.1
Stratco Outback® systems are manufactured from Zinc/alum based Pre-Painted sheet metal will meet the performance requirement of F2.3.1.
- **Clause G12 Water Supplies:** G12.3.2
Stratco Outback® roof systems are manufactured from Zinc/alum based metal tested in accordance with AS/NZS 4020:2005 passed the requirements for products in contact with drinking water.

INSTALLATION

Full installation instructions available at www.stratco.co.nz/nz/patios/frontier-carport/

MAINTENANCE

Stratco Frontier Carport can be manually washed by either water and a sponge or a soft nylon brush or by water blasting at pressures of no more than 20MPa. Never use abrasive or solvent based cleaners such as turps, petrol or kerosene.

SECTION 26 OF THE BUILDING ACT

Stratco Frontier Carport Systems are not subject to any warnings or bans under Section 26 of the Building Act.

ENVIRONMENT

Stratco has Toitu Enviromark Gold Certification. Stratco sites recycle all steel and aluminium scrap and offcuts which can then be remelted for use in other steel or aluminium products.

Steel and aluminium are infinitely recyclable so at the end of its useful life the product can be recycled and remelted for other steel or aluminium products.

Appendix

As reference, this appendix contains the full descriptions of all building performance clauses listed in this document.

B1 Structure

B1.3.1

Buildings, building elements and *sitework* shall have a low probability of rupturing, becoming unstable, losing equilibrium, or collapsing during *construction* or *alteration* and throughout their lives.

B1.3.2

Buildings, building elements and *sitework* shall have a low probability of causing loss of amenity through undue deformation, vibratory response, degradation, or other physical characteristics throughout their lives, or during *construction* or *alteration* when the *building* is in use.

B1.3.3

Account shall be taken of all physical conditions likely to affect the stability of *buildings, building elements* and *sitework*, including:

- (b) imposed gravity loads arising from use
- (c) temperature
- (f) earthquake
- (g) snow
- (h) wind
- (j) Impact

B1.3.4

Due allowances shall be made for:

1. the consequences of failure,
2. the intended use of the *building*,
3. effects of uncertainties resulting from *construction* activities, or the sequence in which *construction* activities occur,
4. variation in the properties of materials and the characteristics of the site, and
5. accuracy limitations inherent in the methods used to predict the stability of *buildings*

B2 Durability

B2.3.1

Building elements must, with only normal maintenance, continue to satisfy the performance requirements of this code for the lesser of the *specified intended life* of the *building*, if stated, or:

(b) 15 years if:

- i. those *building elements* (including the *building* envelope, exposed plumbing in the subfloor space, and in-built chimneys and flues) are moderately difficult to access or replace, or
- ii. failure of those *building elements* to comply with the *building code* would go undetected during normal use of the *building*, but would be easily detected during normal maintenance.

E2 External moisture

E2.3.1

Roofs must shed precipitated moisture. In locations subject to snowfalls, roofs must also shed melted snow.

F2 Hazardous building materials

F2.3.1

The quantities of gas, liquid, radiation or solid particles emitted by materials used in the *construction* of *buildings*, shall not give rise to harmful concentrations at the surface of the material where the material is exposed, or in the atmosphere of any space.

Appendix

G12 Water Supplies

G12.3.2

A potable *water supply system* must be—

1. protected from contamination; and
2. installed in a manner that avoids the likelihood of contamination within the system and the water main; and
3. installed using components that will not contaminate the water.