

COMPANY NAME AND ADDRESS:

Stratco (N.Z.) Limited, 55 Hands Road, Middleton, Christchurch, 8024— Ph (03) 338 9063—NZBN 9429040814629

Stratco (HB) Limited, 65 Niven Street, Onekawa, Napier, 4110—Ph (06) 843 6159—NZBN 9429036524792

Contour Roofing Nelson Limited, 41 Venice Place, Stoke, Nelson, 7011— Ph (03) 538 0824—NZBN 9429038730085

Contour Blenheim Limited, 35 Kinross Street, Blenheim, 7201— Ph (03) 577 7720—NZBN 9429031587600

ADDRESS FOR SERVICE: Nexia Christchurch Limited, Level 4, 123 Victoria Street, Christchurch, 8013

WEBSITE: www.stratco.co.nz

EMAIL: technical@stratco.co.nz

PRODUCT: Allure[®]



DESCRIPTION

The Pavilion Allure with remote controlled opening louvres and a flat ceiling appearance when closed, is ideal for rain, shade and ventilation control anytime of the year. Maximise your outdoor enjoyment and genuinely extend your outdoor living season.

With the remote control you can precisely adjust your louvre angles to control sunlight levels in your outdoor living space. From blocking the dazzling summer sun, to welcoming the warming winter sun - you have complete control at your fingertips.

The range of colours has been inspired by nature and reflects the earthy hues that are seen in the New Zealand landscape, bridging the gap between urban life and our native environment. These colours can be mixed and matched to illuminate and reflect the energy of any environment.

Designed with excellent water management in mind, the Allure louvres have very deep side channels which direct water flow to smartly designed internal box gutters and away through downpipes. The rain sensor automatically closes all louvres at the first sign of rain, providing market leading rain and weather protection.

The reinforced, one piece extruded louvre doesn't warp, buckle or twist, and the anti-rattle weather strip inside each louvre overlap gives a very even lay when closed. This combined with the 200mm wide gloss coated underside provides a genuinely beautiful ceiling appearance.

With your Allure louvres partly open, you can manage the refreshing airflow in your outdoor living space. Angle toward the prevailing breeze to push air in and down, or angle away from the breeze to allow fresh air circulation.

A single Allure unit can cover 24m², and a number of units can be joined together and operated by a single (replaceable) remote control. Available in the standard colours shown or in a wide range of custom colours to suit each project, or even in Aluminium mill finish. Allure systems are also suitable for a versatile entertaining area in restaurants, hotels, or apartment blocks.

PLACE OF MANUFACTURE

New Zealand, Australia

DESIGN CONSIDERATIONS

- Stratco Allure systems are available to a maximum height of 3.000 metres in options that can be freestanding or attached to a building
- Stratco Ambient Blinds and Stratco Outback[®] flat and gable roof systems can be used in conjunction with Stratco Allure systems
- All Stratco Allure systems are supported by in-house engineering that is reviewed and certified by independent structural engineers. Producer Statements for Stratco Allure systems are available on request
- Stratco Allure systems meet the structural requirements of AS/NZS1664:1997—Aluminium Structures—Limit State Design, NZS 3101:2006—Concrete Structures Standard, AS/NZS4600:2005—Cold Formed Structures, NZS 3404.1 & 2:1997—Steel Structures Standard, AS/NZS1170.0: Structural Design Actions – Part 0: General Principles, AS/NZS1170.1: Structural Design Actions – Part 1: Permanent, Imposed and Other Actions, AS/NZS1170.2: Structural Design Actions – Part 2: Wind Actions, NZ Building Code NZS 3604:2011—Timber-Framed Buildings.
- It is important to ensure Stratco Allure 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 Stratco or your nearest Authorised Stratco Dealer to confirm suitability for your location.
- Ensure compatibility when using Stratco Allure systems with other metal products such as copper
- Available as a complete package installed by an Authorised Stratco Dealer. Contact your [nearest Stratco](#) or Authorised Stratco Dealer.
- For further information refer www.stratco.co.nz/nz/patios/allure-stratco-louvre-patio/

MATERIAL COMPOSITION & COATINGS

Stratco Allure systems and components comply with the following standards:

- Beam and Column sections are cold-rolled from hi-tensile steel, conforming to AS1397.
- Hot rolled plate conforms to AS/NZS1594 and AS/NZS3678.
- Roof sheeting Zinc/alum coated steel complies with AS1397:2011. Paint coatings are manufactured in accordance with AS/NZS 2728:2013.
- Bolts comply with AS/NZS2451, AS1110.1 and AS1111.1.
- Self drilling screws comply with AS3566.1

WARRANTY

Stratco Allure systems and components have the following warranties:

Structural Warranty—15 years

Paint Finishes—10 years

Installation—1 year when installed by an Authorised Stratco Dealer

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
Testing and design of structural members comply with the following standards:
AS/NZS1664:1997—Aluminium Structures—Limit State Design
AS/NZS 1170:2002 Part 0 Structural Design Actions—General Principles
AS/NZS 1170:2002 Part 1 Structural Design Actions—Permanent, Imposed & Other Actions
AS/NZS 1170:2011 Part 2 Structural Design Actions—Wind Actions
AS/NZS 1170:2011 Part 3 Structural Design Actions— Snow and Ice Actions
NZS 3101:2006 Concrete Structures Standard
NZS 3404.1 & 2:1997 Steel Structures Standard
NZS 3604:2011 Timber-Framed Buildings

Full span tables are available—Contact your [nearest Stratco](#) or Authorised Stratco Dealer.
- **Clause B2 Durability:** B2.3.1 (b)
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.
- **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 Allure systems manufactured from metallic Zinc/alum coated Pre-Painted steel will meet the performance requirement of F2.3.1.

INSTALLATION

Installation of Stratco Allure systems is undertaken by Stratco approved installers only.

MAINTENANCE

Depending on the local environment, Allure Systems require cleaning annually at a minimum to prevent build up of dirt, debris or other material that is not otherwise removed by rain washing. The surfaces should be cleaned either manually using a soft brush or by means of pressure cleaner (maximum 20 bar) with clean water.

Areas that do not receive adequate rain washing (known as unwashed areas) require more extensive manual washing.

SECTION 26 OF THE BUILDING ACT

Stratco Allure systems are not subject to any warnings or bans under Section 26 of the Building Act.

ENVIRONMENT

Stratco has Toitu Envirocare Bronze Certification. Stratco sites recycle all steel scrap and offcuts which can then be remelted for use in other steel products.

Steel is infinitely recyclable so at the end of its useful life as roofing or wall cladding the product can be recycled and remelted for other steel 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*

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

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.