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PRODUCT: Stratco Good Neighbour Fencing



DESCRIPTION

Stratco Good Neighbour Fencing is strong, attractive and easy to build. Its design allows clean and uncluttered lines to be enjoyed by neighbours on both sides of the fence. The fence is built in modular panels that join together.

Good Neighbour's strength and style is achieved by using steel fence sheets that fit into profiled fence tracks and fence posts. This simple design removes the need for fence rails in the middle of the fence. Good Neighbour Fencing is available in double sided colours so looks identical on both sides, is very strong and easy to build.

PLACE OF MANUFACTURE

New Zealand

DESIGN CONSIDERATIONS

- Uses Stratco Superdek® profile fence sheets in 0.35 mm BMT
- Stock panels are 1800mm high
- Available 900mm, 1200mm and 1500mm to suit your requirements on request
- All Stratco Good Neighbour fence panels are 2350mm wide
- Modular design is suitable for use on flat sites
- Can be modified to suit sloping or undulated sites, Longer top and bottom tracks are available on request that can allow for unusual designs
- Accessories include post caps, and single and double fence gates
- Increase privacy to your Stratco Good Neighbour Fence by adding a screen top These are attractive and durable, available in a range of colours made from UV treated plastic for a long life. Note: Available North Island only
- End panels can be 'tapered' for visual effect and to reduce wind pressure on the fence
- A building consent is required for fences greater than 2.5m in height. A fence up to 2.5m high does not require a building consent; however, all building work must still comply with the New Zealand Building Code
- Fences erected around residential pools must comply with the requirements of Clause F9 of the New Zealand Building Code, including the requirements around access and gates. Additional hardware not supplied as standard by Stratco will be required for this.
- Refer to the Fencing Act 1978 for legal considerations and obligations when building a fence
- Installation advice, tools and accessories that you need to complete your fence are available at Stratco. Alternatively, Stratco can arrange a free measure and quote from one of our Authorised Fencing Dealers.
- Further information: www.stratco.co.nz/nz/fencing/good-neighbour-fencing/

MATERIAL COMPOSITION & COATINGS

Fence sheeting uses Zinc/alum coated steel substrate that complies with AS1397:2011. Paint coatings are manufactured in accordance with AS/NZS 2728:2013.

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 (f,h,j), B1.3.4
 Stratco Good Neighbour Fencing meets the performance requirements of B1.3.1, B1.3.2, B2.3.3 (f), (h), (j) and B1.3.4.
- Clause B2 Durability:** B2.3.1 (c)
 Stratco Good Neighbour Fencing meets the performance requirements of B2.3.1 (c) 5 years
- Clause F9 Means of Restricting Access to Residential Pools:** F9.3.1, F9.3.2, F9.3.3
 Stratco Good Neighbour Fencing meets the requirements of F9.3.1, F9.3.2 and F9.3.3 to restrict access to residential pools

Note: Refer to the Fencing Act 1978 for further legal considerations and obligations when building a fence

WIND ZONES

The tables below provide maximum wind zones by fence height. Fences with no free ends, or with internal sections that are further than two panels from a free end, can be designed using the maximum wind zone for tapered ends. Corners or openings with solid fence gates are not classed as a free end. Internal panels, (panels that are not part of a free end) can be designed using the maximum wind zones for tapered ends. For three sheet panels with SHS posts the post needs to be 1.6mm thick.

900mm High Fence				
Style	3 Sheet Panel		3 Sheet Panel and 50 SHS Post	
	Tapered End	Square End	Tapered End	Square End
Standard	Very High	Very High	Very High	Very High
Screen Top*	Very High	Very High	Very High	Very High

1200mm High Fence				
Style	3 Sheet Panel		3 Sheet Panel and 50 SHS Post	
	Tapered End	Square End	Tapered End	Square End
Standard	Very High	Very High	Very High	Very High
Screen Top*	Very High	Very High	Very High	Very High

1500mm High Fence				
Style	3 Sheet Panel		3 Sheet Panel and 50 SHS Post	
	Tapered End	Square End	Tapered End	Square End
Standard	Very High	Medium	Very High	High
Screen Top*	Medium	Low	Very High	Medium

1800mm High Fence				
Style	3 Sheet Panel		3 Sheet Panel and 50 SHS Post	
	Tapered End	Square End	Tapered End	Square End
Standard	High	Low	Very High	Medium
Screen Top*	Medium	-	High	Low

*Screen Top only available North Island

Footings

The sizes of post footings are dependant on the wind zone, soil type and the height of the fence. The following tables can be used to select the correct footing. Footings shall be founded in natural soil only. Concrete shall have a minimum 28 day characteristic strength of 20MPa (Grade 20). The top of the concrete should be shaped to direct water away from the posts. For the three footings adjacent to a free end and posts supporting a gate, the footing size will need to be increased in depth by 100mm. All posts are to be embedded at least 500mm into the footing.

Footing Type By Wind Zone				
Height (mm)	Low	Medium	High	Very High
900	1	1	1	1
1200	1	1	1	1
1500	1	1	2	2
1800	1	2	3	3

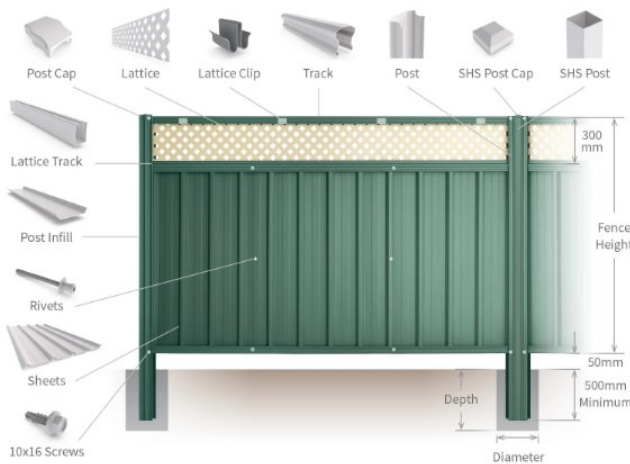
Size of Footing Type (Diameter x Depth in mm) By Soil Condition			
Type	Sandy	Sandy Clay	Clay
1	250 x 700	200 x 600	200 x 600
2	250 x 800	200 x 600	200 x 600
3	250 x 900	200 x 650	200 x 650

Fence Post Spacings (mm)	
3 Sheet Panel	3 Sheet Panel SHS
2350	2400
Note: Posts are supplied 545mm longer than the height of the fence.	

INSTALLATION

Good Neighbour Fencing Accessories

Complete your Good Neighbour Fence with a range of accessories from Stratco including post caps, a screen top* extension and single and double fence gates.



Note: Some components are optional and not required in all configurations.
*Screen top only available on North Island

Good Neighbour Gates



Gate post openings - Single 840mm - Double 3255mm

Full installation instructions are available at www.stratco.co.nz/siteassets/pdfs/nz_fencing_good_neighbour_install.pdf

MAINTENANCE

Stratco Good Neighbour Fencing 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 Good Neighbour Fencing 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 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* 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:

- (f) earthquake
- (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

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:

(c) 5 years if:

- (i) the *building elements* (including services, linings, renewable protective coating, and *fixtures*) are easy to access and replace, and
- (ii) failure of those *building elements* to comply with the *building code* would be easily detected during normal use of the *building*.

F9 Means of restricting access to residential pools

F9.3.1

Residential pools must have or be provided with physical barriers that restrict access to the pool or the *immediate pool area* by unsupervised young children (ie, under 5 years of age).

F9.3.2

Barriers must either:

- (a) surround the *pool* (and may enclose the whole or part of the *immediate pool area*)

F9.3.3

A barrier surrounding a *pool* must have no permanent objects or projections on the outside that could assist children in negotiating the barrier. Any gates must

- a. open away from the pool; and
- b. not be able to be readily opened by children; and