

FENCING AND SCREENING

NATIONAL CONSTRUCTION CODE (NCC) COMPLIANCE BULLETIN

JANUARY 2024 | This version supersedes all previous issues.



THIS BULLETIN DETAILS RELEVANT NCC OF AUSTRALIA COMPLIANCE INFORMATION RELEVANT TO THE FOLLOWING FIELDERS® FENCING AND SCREENING PRODUCTS. AVAILABLE IN ALL STATES OF AUSTRALIA EXCEPT SA.

- TL-5™
- TL-5™ with Lattice Topper
- TL-5™ with Slats Topper
- Ridgeline®
- Ridgeline® with Lattice Topper
- Ridgeline® with Slats Topper
- Mini-Flute™
- Mini-Flute™ with Lattice Topper
- Mini-Flute™ with Slats Topper
- S-Rib™
- S-Rib™ with Lattice Topper
- S-Rib™ with Slats Topper
- Slats
- Louvres

FIELDERS® - YOUR GUARANTEE OF COMPLIANCE

The National Construction Code of Australia (NCC) details the minimum necessary requirements for safety, health, amenity and sustainability that need to be met in the design and construction of new buildings (and new building work in existing buildings) throughout Australia.

Using products that do not conform to the NCC requirements can leave installers, builders and suppliers liable for cost of replacement, rectification and consequential damages.

Fielders' range of Australian-made steel building products has been developed, tested and manufactured to not only meet our country's demanding climatic and geographic requirements but also to provide building designers, builders and owners with the confidence that comes from using guaranteed compliant products.

The compliance statements overleaf outline compliance of Fielders® fencing and screening products with both the National Construction Code of Australia and the relevant Australian Standards for both Residential and Non-residential buildings.



NATIONAL CONSTRUCTION CODE OF AUSTRALIA (NCC) COMPLIANCE STATEMENT FOR FIELDERS® FENCING SCREENING PRODUCT RANGE

Issuing Entity	BlueScope Steel Limited trading as Fielders			
Issue Date	January 2024			
Application	CC Class 10b Structure (Fence) – Reference: NCC 2019 BCA Volume 1, Section A, part A6 Building Classification, Clause A6.10 class 10 buildings and structures			
Scope Of Use	All products noted below may be used as boundary fencing when designed using the individual technical data available for each product, accessible at https://specifying.fielders.com.au			
Product Brand	Fielders®			
Products¹	<ul style="list-style-type: none"> TL-5™, comprising TL-5™ Infill Sheets, Fence Posts and Fence Rails TL-5™ with Lattice topper, comprising TL-5™ Infill Sheets, Fence Posts, Fence Rails and Fence Lattice TL-5™ with Slats topper, comprising TL-5™ Infill Sheets, Fence Posts, Fence Rails and Slats Ridgeline®, comprising Ridgeline® Infill Sheets, Fence Posts and Fence Rails Ridgeline® with Lattice topper, comprising Ridgeline® Infill Sheets, Fence Posts, Fence Rails and Fence Lattice 		<ul style="list-style-type: none"> Ridgeline® with Slats topper, comprising Ridgeline® Infill Sheets, Fence Posts, Fence Rails and Slats Mini-Flute™, comprising Mini-Flute™ Infill Sheets, Fence Posts and Fence Rails S-Rib™, comprising S-Rib™ Infill Sheets, Fence Posts and Fence Rails Slats, comprising Slats/Louvres Slats, Fence Posts and Fence Rails Louvres, comprising Slats/Louvres Slats, Fence Posts and Fence Rails 	
Components	<ul style="list-style-type: none"> Fence Posts Fence Rails 	<ul style="list-style-type: none"> TL-5™ Infill Sheets Ridgeline® Infill Sheets Mini-Flute™ Infill Sheets S-Rib™ Infill Sheets 	<ul style="list-style-type: none"> Slats 	<ul style="list-style-type: none"> Fence Lattice
Base Metal Brand	COLORBOND® steel	COLORBOND® steel	COLORBOND® steel	ZINCALUME® steel
Typical Environments	For low corrosive environments >1000m from breaking surf >1000m from calm marine	For low corrosive environments >1000m from breaking surf >1000m from calm marine	For low corrosive environments >1000m from breaking surf >1000m from calm marine	For low corrosive environments >1000m from breaking surf >1000m from calm marine
Base Metal Thickness Range	0.8mm BMT	0.35mm BMT	0.55mm BMT	0.42mm BMT
Minimum Yield Strength	550 MPa	550 MPa	550 MPa	550 MPa
Coating	Z275	AM100	AM100	AM125
	275 g/m² minimum metallic coating mass, (zinc) to AS 1397	100 g/m² minimum metallic coating mass, (aluminium/zinc/magnesium alloy) with Activate® technology to AS 1397	100 g/m² minimum metallic coating mass, (aluminium/zinc/magnesium alloy) with Activate® technology to AS 1397	125 g/m² minimum metallic coating mass, (aluminium/zinc/magnesium alloy) with Activate® technology to AS 1397
Paint	Paint Coating to AS/NZS 2728	Paint Coating to AS/NZS 2728	Paint Coating to AS/NZS 2728	Paint Coating to AS/NZS 2728
Warranty²	Up to 10 years	Up to 10 years	Up to 10 years	Up to 10 years
Combustibility	Fielders® products manufactured from COLORBOND® steel, ZINCALUME® steel or galvanised steel materials all have an Ignitability Index, Spread of Flame index and Heat Evolved Index of 0 (zero) and as such may be used wherever a non-combustible material is required as per the National Construction Code Volume 1 clauses C2D10 (5)(b) & (6)(e) and in Volume 2 clause H3D2 (1)(e)			
Australian Standards Compliance	Fielders published installation guidelines include a design selection. The design selection data has been based on the fence panel capacity and the required resistance as determined by:	AS/NZS 1170.2:2021 - Structural design actions, Part 2: Wind actions		
	BlueScope coated steel products have been determined to be compliant with the following standards:	AS 1397:2021 - Continuous hot-dip metallic coated steel sheet and strip - Coatings of zinc and zinc alloyed with aluminium and magnesium AS/NZS 2728:2013 - Prefinished/prepainted sheet metal products for interior/exterior building applications - Performance requirements		
Compliance with the deemed-to-satisfy provision of the NCC	NCC Volume 1 B1.1 Resistance to Actions Fielders published installation guidelines include a design selection. The design selection data has been based on the fence panel capacity and the required resistance as determined from AS/NZS 1170.2 Part 2 Wind Actions. The fence panel capacities have been determined by testing in the Fielders R&T testing facility that has NATA3 accreditation.			

Notes:

- Not all products are available in all materials and finishes. Not all products are available in all regions. Visit [Fielders.com](https://www.fielders.com) for more information. Variants of products listed available in SA are not subject to this compliance statement. Refer to [Fielders.com](https://www.fielders.com) for more information on fencing products available in SA.
- Warranties are subject to application and eligibility criteria. For full terms and conditions and warranty eligibility for BlueScope steel products visit warranties.bluescopesteel.com.au



UNDERSTANDING COMPLIANCE

The National Construction Code (NCC) outlines deemed-to-satisfy requirements for metal claddings based on compliance to Australian Standards. Whilst the applicable Australian Standards differ between Residential and Non-Residential buildings, the underlying common tenants are:

- a) that installed metal products must be able to meet expected Structural, Wind and Installation loads as per the Australian Standards,
- b) that installed metal products must be sufficiently durable to meet the amenity and sustainability requirements of the Australian Standard.

To determine a steel fencing's capacities and ability to comply with Australian design standards, steel fencing products must be tested in accordance with AS/NZS 1170.2. Fielders® steel fencing range capacities have been determined from testing in Fielders own NATA accredited testing facility.

STATEMENT OF PRODUCT CONFORMANCE

This document confirms that the structural design capacity tables for Fielders® Fencing products included in the Acceptable Construction Manuals referenced in this bulletin have been prepared in accordance with the relevant Australian Standards & Deemed to satisfy provisions of NCC 2022 as referenced below.

Designs utilising data from these reference documents can form part of a structurally adequate assembly, subject to the following conditions:

- Installation of fencing products is in accordance with the Acceptable Construction Manuals referenced in this bulletin and accepted good construction practice.

CHAIN OF RESPONSIBILITY

It is the primary responsibility of each person in the value chain, from designer to supplier to installer to builder to ensure that products used on a building are:

- a) Suitable for the intended use, and
- b) Comply with relevant Australian Standards and NCC provisions. Increasingly regulatory authorities are requiring documentary evidence of a products compliance to the requirements of the NCC. Recent Queensland legislation goes further placing an onus on all members in the chain of responsibility to report the use of any non-conforming product.

INSIDE OUR BRANDS

Fielders range of steel building products are manufactured using Australia's leading coated steel materials. COLORBOND® prepainted steel and ZINCALUME® metallic coated steel are supplied to Fielders in large coils. Fielders then shapes and forms these materials (through the process known as rollforming) into our range of roofing profiles, gutters, fascia and downpipes, plus products for fencing systems and home additions such as verandahs, patios and carport.

DISCLAIMER, WARRANTIES AND LIMITATION OF LIABILITY

This publication is intended to be an aid for all trades and professionals involved with specifying and installing Fielders® products and not be a substitute for professional judgement.

- Terms and conditions of sale available at <http://fielders.com.au/legals/>
- Except to the extent to which liability may not lawfully be excluded or limited, BlueScope Steel Limited will not be under or incur any liability to you for any direct or indirect loss or damage (including, without limitation, consequential loss or damage such as loss of profit or anticipated profit, loss of use, damage to goodwill and loss due to delay) however caused (including, without limitation, breach of contract, negligence and/or breach of statute), which you may suffer or incur in connection with this publication.

Activate® technology is not available for COLORBOND® steel products with a galvanised steel substrate.

ZINCALUME®, COLORBOND®, Activate®, Fielders® and ® product names are registered trademarks of BlueScope Steel Limited and ™ product names are trademarks of BlueScope Steel Limited.
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YOUR COMPLIANCE CHECKLIST



Fully specify Fielders® Profile, Finish & Coating class



Check all details when you receive order confirmation



On-Site - check delivery docket and product branding