

HERITAGE RANGE

NATIONAL CONSTRUCTION CODE (NCC) COMPLIANCE BULLETIN

FEBRUARY 2024 | This version supersedes all previous issues.



**THIS BULLETIN DETAILS RELEVANT NCC OF AUSTRALIA COMPLIANCE INFORMATION
RELEVANT TO THE FOLLOWING FIELDERS® HERITAGE PRODUCTS.**

- S-Rib™ Corrugated
- S-Rib™ Corrugated Curving Quality
- CorroMax® 21

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® Heritage range of roofing and walling 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 2022) COMPLIANCE STATEMENT

FIELDERS® HERITAGE PRODUCT RANGE

Issuing entity		BlueScope Steel Limited trading as Fielders			
Issue Date		Feburary 2024			
Application		Roofing for Class 2 to 9 Buildings (Non-Residential) and for Class 1 and 10 Buildings (Residential)			
Scope of Use		All products noted below may be used as roof cladding when designed using the individual technical data available for each product at https://specifying.fielders.com.au			
Product Brand		Fielders®			
PRODUCTS¹	Roofing or Walling	S-Rib™ Corrugated S-Rib™ Corrugated Curving Quality CorroMax® 21			
Base Metal Brand		ZINCFORM® steel		ZINC HI-TEN® steel	
Typical Environments		For low to high corrosive environments >1000m from breaking surf >1000m from calm marine	For low to high corrosive environments >1000m from breaking surf >1000m from calm marine	For low to high corrosive environments >1000m from breaking surf >1000m from calm marine	For low to high corrosive environments >1000m from breaking surf >1000m from calm marine
Base Metal Thickness Range	Roofing	0.42mm – 0.48mm	0.42mm – 0.48mm	0.6mm	0.6mm
	Walling	0.42mm – 0.48mm	0.42mm – 0.48mm	0.6mm	0.6mm
Minimum Yield Strength		550 MPa	550 MPa	300 MPa	300 MPa
Coating		Z450	Z600	Z450	Z600
		450 g/m² minimum metallic coating mass, (zinc) to AS 1397	600 g/m² minimum metallic coating mass, (zinc) to AS 1397	450 g/m² minimum metallic coating mass, (zinc) to AS 1397	600 g/m² minimum metallic coating mass, (zinc) to AS 1397
Paint²		N/A	N/A	N/A	N/A
Solar Absorbance Value Range		0.66 - 0.89	0.66 - 0.89	0.66 - 0.89	0.66 - 0.89
Warranty³	Roofing	Up to 15 years	Up to 15 years	Up to 15 years	Up to 15 years
	Walling	Nil	Nil	Nil	Nil
Combustibility		Fielders® products manufactured from ZINC HI-TEN® and ZINCFORM® steel 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 (6)(e) and in Volume 2 clause H3D2 (f) (e).			
Acceptable Construction Manuals		Design and construction information / manuals for each of the Fielders Roofing and Walling profiles is provided at https://specifying.fielders.com.au/roofing-walling BlueScope Technical Bulletin 1A Steel Roofing Products Selection Guide available at https://steelproducts.bluescopesteel.com.au			
Australian Standards Compliance	Limit State Capacities for Strength and Serviceability have been determined from testing at NATA³ accredited facilities in compliance with the following standards:	AS 1562.1-2018 - Design and installation of sheet roof and wall cladding - Part 1: Metal AS 4040.0-1992 - Methods of testing sheet roof and wall cladding AS 4040.1-1992 (Rec: 2016) - Methods of testing sheet roof and wall cladding - Method 1: Resistance to concentrated loads AS 4040.2-1992 (Rec: 2016, Amd 1: 2018) - Methods of testing sheet roof and wall cladding, Part 2: Resistance to wind pressures for non-cyclone regions AS 4040.3:2018 - Methods of testing sheet roof and wall cladding, Method 3: Resistance to wind pressures for cyclone regions AS/NZS 1170.0:2002 - Structural design actions - Part 0: General principles AS/NZS 1170.1:2002 - Structural design actions Part 1: Permanent , Imposed and other actions AS/NZS 2728:2013 - Prefinished/prepainted sheet metal products for interior/exterior building applications - Performance requirements AS/NZS 1170.3:2011 - Structural design actions Part 3: Snow and ice 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 AS 1397:2021 - Defines the coating types and classes and steel grades for hot-dip metallic coated steel. Fielders® product coating compliance is nominated at "Coating" above. Product made to other standards may not meet the ductility or strength requirements assumed by design standards or the minimum coating class requirements critical to building durability. AS/NZS 2728 - Specifies requirements for the physical properties and long-term durability of pre-finished/pre-painted sheet metal products. Fielders® pre-painted compliance is nominated at "Paint" above for Performance requirement 1.3.1 Metal products Hot dipped metallic coated steel (types Z, ZM, AZ, AM) complying with AS 1397, stainless steel, aluminium, or aluminium alloy in the form of sheet, coil, or strip.			
Compliance with the deemed-to-satisfy provision of the NCC		NCC Volume 1 - For class 2 to 9 Buildings (Non-Residential) <ul style="list-style-type: none">• Section B1.4 Structural Resistance (j) (iv) Metal roofing: AS 1562.1• Section F1.0 Deemed-to-Satisfy Provisions• F1.5 Roof coverings Metal Sheet roofing complying with AS 1562.1 NCC Volume 2 - For class 1 and 10 Buildings (Housing Provisions) <ul style="list-style-type: none">• HID7 Roof cladding Published Capacity tables in reference manuals above below are suitable to determine structural adequacy and serviceability of nominated products for individual projects referencing the following Australian Standards and NCC requirements: <ul style="list-style-type: none">• NCC, Volume One, Section B - Structure, Part B1 -Structural provisions (Deemed-to-Satisfy Provisions), Clause B1D2 Resistance to actions, and Clause B1D3 Determination of individual actions• NCC, Volume One, Section B - Structure, Specification B1D3 - Design of Buildings in Cyclonic Areas			

Notes:
1. Not all products are available in all materials and finishes. Not all products are available in all regions. Visit fielders.com.au for more information.
2. 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. [com.au](https://fielders.com.au).



UNDERSTANDING COMPLIANCE

The NCC outlines deem-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 claddings must be able to meet expected Structural, Wind and Installation loads as per the Australian Standards,
- b) that installed metal claddings must be sufficiently durable to meet the amenity and sustainability requirements of the Australian Standards.

To determine a metal cladding's capacities and ability to comply with Australian design standards, metal cladding products must be tested in accordance with AS 4040.1. Metal cladding products that cannot demonstrate testing to AS 4040.1 and compliance with other relevant Australian Standards do not meet the deemed-to-comply provisions of the NCC.

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 and prepainted aluminium materials.

COLORBOND® prepainted steel and ZINCALUME® metallic coated steel and are supplied to Fielders in large coils. Fielders then rollforms these materials (through the process known as rollforming) into their range of roofing profiles, gutters, fascias and downpipes, plus products for fencing systems and home additions such as verandahs, patios and carports.

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.

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