



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 and structural elements 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 relevant AS 4100 and AS/NZS provisions do not meet the deemed-to-comply provisions of the NCC.

Fielders Heritage steel building products have been tested by NATA¹ accredited facilities to meet all relevant Australian Standards outlined in this document.

CHAIN OF RESPONSIBILITY

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

- a) Suitable for the intended use
- 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.

Using non-confirming products can leave installers, builders and suppliers liable for cost of replacement, rectification and consequential damages.

INSIDE OUR BRANDS

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

NATIONAL CONSTRUCTION CODE OF AUSTRALIA COMPLIANCE STATEMENT FOR FIELDERS HERITAGE ROOFING AND WALLING

MARCH 2020 | VER 3.0

THIS VERSION SUPERSEDES ALL PREVIOUS VERSIONS



THIS BULLETIN DETAILS RELEVANT NCC OF AUSTRALIA COMPLIANCE INFORMATION RELEVANT TO FOLLOWING FIELDERS HERITAGE ROOFING AND WALLING PRODUCTS

- FIELDERS S-RIB[®]
- FIELDERS CURVED S-RIB[®]
- ASSOCIATED FIELDERS HERITAGE ACCESSORIES INCLUDING; RIDGES, VALLEYS, GUTTERS, FLASHINGS AND BARGE ROLLS
- FIELDERS MINI-FLUTE
- FIELDERS HERITAGE BARREL ROLLED

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 manufactured steel and aluminium 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 products with both the National Construction Code of Australia and the relevant Australian Standards for both Residential and Non-residential buildings.

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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 to be a substitute for professional judgement.

Terms and conditions of sale available at local Fielders sales offices or via the Fielders websites.

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.

Warranties subject to application and eligibility criteria. For full terms and conditions and to determine the eligibility of your building for the warranty visit bluescopesteel.com.au/warranties or call BlueScope Steel on 1800 064 384.

ZINC HI-TEN[®] steel, ZINCFORM[®] steel, BlueScope, the BlueScope brand mark, [®] product and product brand names are registered trademarks and [™] product and product brand names are trademarks of BlueScope Steel Limited.

The Fielders[®] range of products is exclusively made by or for BlueScope Steel Limited trading as Fielders.

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NATIONAL CONSTRUCTION CODE OF AUSTRALIA (NCC) COMPLIANCE STATEMENT

FIELDERS HERITAGE ROOFING AND WALLING PRODUCTS



ISSUING IDENTITY: BLUESCOPE STEEL LIMITED		REFERENCE ID: FIEL-NCC-HERITAGE R&W		VERSION: 3.0	ISSUE DATE: MARCH 2020
APPLICATION		ROOFING and WALLING 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 and or wall cladding when designed using the individual technical data available for each product at https://specifying.fielders.com.au			
APPLICABLE PRODUCTS		FIELDERS S-RIB FIELDERS MINI- FLUTE FIELDERS RIDGES, VALLEYS, BARGE ROLLS AND GUTTERS		FIELDERS CURVED S-RIB® FIELDERS HERITAGE BARREL ROLLED	
PRODUCT ATTRIBUTES	Base Metal Thickness Range	0.42mm - 0.48mm		0.60mm	
	Min Yield Strength	550 MPa		300MPa	
FINISH	Zinc Hi-ten® ZINC HI-TEN® steel	Zinc Hi-ten® ZINC HI-TEN® steel	Zincform® ZINCFORM® steel	Zincform® ZINCFORM® 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	For Low to High corrosive environments ; >1000m from breaking surf >1000m from calm marine
COATING	Z450	Z600	Z450	Z600	
	450 g/m² minimum metallic coating mass, (zinc) to AS 1397:2011	600 g/m² minimum metallic coating mass, (zinc) to AS 1397:2011	450 g/m² minimum metallic coating mass, (zinc) to AS 1397:2011	600 g/m² minimum metallic coating mass, (zinc) to AS 1397:2011	
PAINT	N/A	N/A	N/A	N/A	
SOLAR ABSORPTANCE VALUE	range from 0.66 to 0.89	range from 0.66 to 0.89	range from 0.66 to 0.89	range from 0.66 to 0.89	
ROOFING APPLICATION WARRANT	Up to 15 Years*	Up to 15 Years*	Up to 15 Years*	Up to 15 Years*	
WALLING APPLICATION WARRANTY	NIL	NIL	NIL	NIL	
COMBUSTIBILITY	Fielders products manufactured from COLORBOND®, ZINCALUME® or galvanised steel materials all have an Ignitability Index, Spread of Flame index and Heat Evolved Index of 0 (zero) and as such are considered non-combustible materials in accordance with the National Construction Code clauses C1.9.(e).(v) and 3.7.1.1.(e).				
COMPLIANCE WITH THE DEEMED-TO-SATISFY PROVISION OF THE NCC	NCC Volume 1 - For class 2 to 9 Buildings (Non-Residential)				
	Section B1.4 Structural Resistance (j) (iv) Metal roofing: AS1562.1 (except in cyclone areas)				
	Section F1.5 Roof coverings Metal Sheet roofing complying with AS1562.1				
	NCC Volume 2 - For class 1 and 10 Buildings (Housing Provisions) 3.5.1 Roof cladding Published Capacity tables in reference manuals noted below are suitable to determine structural adequacy and serviceability of nominated products for individual projects referencing the following Australian Standards and NCC requirements: NCC Volume One, Section B - Structure, Part B1 -Structural provisions (Deemed-to-Satisfy Provisions), Clause B1.1 Resistance to actions, and Clause B1.2 Determination of individual actions NCC Volume One, Section B - Structure, Specification B1.2 - Design of Buildings in Cyclonic Areas AS/NZS 1170.0:2002 Structural design actions, Part 0: General principles AS/NZS 1170.1:2002 (Reconfirmed 2016) Structural design actions, Part 1: Permanent, imposed and other actions AS/NZS 1170.2:2011 (Reconfirmed 2016) Structural design actions, Part 2: Wind actions AS/NZS 1170.3:2011 (Reconfirmed 2016) Structural design actions, Part 3: Snow and ice actions				
ACCEPTABLE CONSTRUCTION AND DESIGN MANUALS	AS1562.1 - Design and Installation of sheet and wall cladding - Metal				
	Design and Construction information / manuals for each of the Fielders Heritage roofing and walling profiles are provided at https://specifying.fielders.com.au/roofing-walling Guides and Technical materials available at www.fielders.com BlueScope Technical Bulletin 1A Steel roofing products - selection guide available at https://steelproducts.bluescopesteel.com.au				
AUSTRALIAN STANDARDS COMPLIANCE	Fielders published Limit State Capacities for Strength and Serviceability have been determined from testing at NATA ¹ 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 (Reconfirmed 2016) Methods of testing sheet roof and wall cladding. Method 0 : Introduction, list of methods and general requirements AS 4040.1 – 1992 (Reconfirmed 2016) Methods of testing sheet roof and wall cladding. Method 1 : Resistance to concentrated loads AS 4040.2 – 1992 (Reconfirmed 2016) Methods of testing sheet roof and wall cladding. Method 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 1562.1:2018 Design and Installation of sheet and wall cladding Part 1 : Metal Section 2.1.3 Steel: Requires metallic coated products to comply with; - AS 1397-2011 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 1397-2011 defines the coating types and classes and steel grades for hot dip metallic coated steel. 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. Fielders Product coating compliance is nominated at "Coating" above. 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 AS1397, stainless steel, aluminium or aluminium alloy in the form of sheet, coil or strip.				

¹National Association of Testing Authorities

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