

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 Steel building products have been tested by NATA accredited facilities to meet all relevant Australian Standards in the 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

Fielders range of steel building products are manufactured using Australia’s leading coated steel materials. COLORBOND® prepainted 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, 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 FINESSE®  
ARCHITECTURAL ROOFING AND WALLING RANGE

JUNE 2019 | VER 1.0  
THIS VERSION SUPERSEDES ALL PREVIOUS VERSIONS



THIS BULLETIN DETAILS RELEVANT NCC OF AUSTRALIA COMPLIANCE INFORMATION FOR THE FOLLOWING FIELDERS FINESSE® ARCHITECTURAL ROOFING AND WALLING RANGE

- FIELDERS GRANDEUR®
- FIELDERS PROMINENCE™
- FIELDERS SHADOWLINE® 305
- FIELDERS BOULEVARD™
- FIELDERS NEO ROMAN™
- FIELDERS SHADOWLINE® WA (only available in 0.70mm BMT)

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 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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NATIONAL CONSTRUCTION CODE OF AUSTRALIA (NCC) COMPLIANCE STATEMENT  
FINESSE® ARCHITECTURAL ROOFING AND WALLING RANGE



ISSUING IDENTITY: BLUESCOPE STEEL LIMITED				REFERENCE ID: FIEL-NCC-ARCHCL		VERSION: 1.0		ISSUE DATE: JUNE 2019			
APPLICATION		Architectural <b>ROOFING</b> and or <b>WALLING</b> 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 <a href="https://specifying.fielders.com.au">https://specifying.fielders.com.au</a>									
APPLICABLE PRODUCTS		ROOFING					WALLING				
		FIELDERS GRANDUER®    FIELDERS PROMINENCE™    FIELDERS NEO ROMAN®    FIELDERS SHADOWLINE® 305*    FIELDERS SHADOWLINE® WA*					FIELDERS GRANDUER® FIELDERS NEO ROMAN®    FIELDERS PROMINENCE™ FIELDERS SHADOWLINE® 305*    FIELDERS BOULEVARD™ FIELDERS SHADOWLINE® WA*				
PRODUCT ATTRIBUTES	Base Metal Thickness Range	0.55mm - 0.75mm									
	Min Yield Strength	300 MPa									
BASE MATERIAL BRAND NAME		 ZINCALUME® Steel		 COLORBOND® Steel		 COLORBOND® Ultra Steel		 COLORBOND® Metallic Steel		 COLORBOND® Matt Steel	
TYPICAL ENVIRONMENTS		For Low to High corrosive environments; > 200m from breaking surf > 100m from calm marine		For Low to High corrosive environments; > 200m from breaking surf > 100m from calm marine		For Very High to High corrosive Environments; > 100m from breaking surf > 0m from calm marine		For Low to High corrosive environments; > 400m from breaking surf > 200m from calm marine		For Low to High corrosive environments; > 400m from breaking surf > 200m from calm marine	
COATING		AM125		AM100		AM150		AM100		AM100	
		125 g/m² minimum metallic coating mass, (aluminium/zinc/magnesium alloy) with Activate™ technology to AS 1397:2011		100 g/m² minimum metallic coating mass, (aluminium/zinc/magnesium alloy) with Activate™ technology to AS 1397:2011		150 g/m² minimum metallic coating mass, (aluminium/zinc/magnesium alloy) with Activate™ technology to AS 1397:2011		100 g/m² minimum metallic coating mass, (aluminium/zinc/magnesium alloy) with Activate™ technology to AS 1397:2011		100 g/m² minimum metallic coating mass, (aluminium/zinc/magnesium alloy) with Activate™ technology to AS 1397:2011	
PAINT		N/A		Paint Coating to AS 2728:2013 includes Thematech® solar reflectance technology		Paint Coating to AS 2728:2013 Type 4 includesThematech® solar reflectance technology		Paint Coating to AS 2728:2013 Type 3 includesThematech® solar reflectance technology		Paint Coating to AS 2728:2013 includes Thematech® solar reflectance technology	
SOLAR ABSORPTANCE VALUE				range from 0.32 to 0.96				range from 0.32 to 0.96			
ROOFING APPLICATION WARRANTY		Up to 36Years*		Up to 36Years*		Up to 36Years*		Up to 30Years*		Up to 36Years*	
WALLING APPLICATION WARRANTY		Up to 18Years* (Non - residential) Up to 15Years* (Residential)		Up to 20Years* (Non - residential) Up to 15Years* (Residential)		Up to 20Years* (Non - residential) Up to 15Years* (Residential)		Up to 20Years* (Non - residential) Up to 15Years* (Residential)		Up to 20Years* (Non - residential) Up to 15Years* (Residential)	
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 C1.19.(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 B -Structure, Part B1 -Structural provisions (Deemed-to-Satisfy Provisions), - Clause B1.1 Resistance to actions, and - Clause B1.2 Determination of individual actions Section B - Structure, Specification B1.2 - Design of Buildings in Cyclonic Areas									
		Section B1.4 Structural Resistance (j) (iv) Metal roofing: AS1562.1 : 2018 (except in cyclone areas)									
		Section F1.5 Roof coverings Metal Sheet roofing complying with AS 1562.1									
		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:		AS 1562.1:2018 - Design and Installation of sheet and wall cladding - Metal									
		Design and Construction information / manuals for each of the Fielders Roofing and Walling profiles is provided at <a href="https://specifying.fielders.com.au/roofing-walling">https://specifying.fielders.com.au/roofing-walling</a> BlueScope Technical Bulletin 1A Steel roofing products - selection guide available at <a href="https://steelproducts.bluescopesteel.com.au">https://steelproducts.bluescopesteel.com.au</a>									
AUSTRALIAN STANDARDS COMPLIANCE		Fielders published Limit State Capacities for Strength and Serviceability have been determined from testing at NATA¹ 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									
		Limit state capacities contained within the Acceptable Construction & Design Manuals are suitable to determine structural adequacy and serviceability in accordance with; - 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									
		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 aluminium and magnesium and Pre-painted products to comply with ; - AS/NZS 2728:2013 - Pre-finished /pre-painted sheet metal products for interior/ exterior applications - AS 1397 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 ally in the form of sheet, coil or strip.									

¹ National Association of Testing Authorities  
\*visit [bluescope.com.au/warranties](https://bluescope.com.au/warranties) to obtain a pre-approved warranty for your project warranties apply against corrosion to perforation due to weathering in the natural environment only  
\* Fielders Shadowline® profiles are only available in 0.7mm BMT