

FINESSE® RANGE

NATIONAL CONSTRUCTION CODE (NCC) COMPLIANCE BULLETIN

JULY 2024 | This version supersedes all previous issues.



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

- Boulevard®
- Grandeur®
- Prominence®
- Neo Roman™
- Shadowline® 305
- Cadence™

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 Finesse® 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) COMPLIANCE STATEMENT

FOR FIELDERS FINESSE® RANGE PRODUCTS.

Issuing entity		BlueScope Steel Limited trading as Fielders				
Issue Date		July 2024				
Application		Roofing and walling for Class 2 to 9 Buildings (Vol 1 of the NCC) and for Class 1 and 10 Buildings (Vol 2 of the NCC)				
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	Grandeur® Prominence® Neo Roman™ Shadowline® 305 Cadence™				
	Walling only	Boulevard®				
Base Metal Brand		ZINCALUME® steel	COLORBOND® steel	COLORBOND® steel Matt	COLORBOND® Metallic steel	COLORBOND® Ultra 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 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 high to very high corrosive environments >100m from breaking surf >0m from calm marine
Base Metal Thickness Range	Roofing	0.55mm – 0.75mm	0.55mm – 0.75mm	0.55mm – 0.75mm	0.55mm – 0.75mm	0.55mm – 0.75mm
	Walling	0.55mm – 0.75mm	0.55mm – 0.75mm	0.55mm – 0.75mm	0.55mm – 0.75mm	0.55mm – 0.75mm
Minimum Yield Strength		300 MPa	300 MPa	300 MPa	300 MPa	300 MPa
Coating		AM125	AM100	AM100	AM100	AM150
		125 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	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	150 g/m² minimum metallic coating mass, (aluminium/zinc/magnesium alloy) with Activate® technology to AS 1397
Paint²		N/A	Paint coating to AS 2728 with Thermatech® solar reflectance technology	Paint coating to AS 2728 with Thermatech® solar reflectance technology	Paint coating to AS 2728 Type 3	Paint coating to AS 2728 Type 4 with Thermatech® solar reflectance technology
Solar Absorbance Value Range		N/A	0.28 – 0.95	0.35 – 0.79	0.34 – 0.94	0.33 – 0.73
Warranty³	Roofing	Up to 36 years (Shadowline 305®) Up to 20 years (Prominence® / Cadence™ fixed to battens) Up to 10 years (Prominence® / Cadence™ / Grandeur® / Neo Roman™ fixed to ply)	Up to 45 years (Shadowline 305®) Up to 20 years (Prominence® / Cadence™ fixed to battens) Up to 10 years (Prominence® / Cadence™ / Grandeur® / Neo Roman™ fixed to ply)	Up to 45 years (Shadowline 305®) Up to 20 years (Prominence® / Cadence™ fixed to battens) Up to 10 years (Prominence® / Cadence™ / Grandeur® / Neo Roman™ fixed to ply)	Up to 30 years (Shadowline 305®) Up to 20 years (Prominence® / Cadence™ fixed to battens) Up to 10 years (Prominence® / Cadence™ / Grandeur® / Neo Roman™ fixed to ply)	Up to 45 years (Shadowline 305®) Up to 20 years (Prominence® / Cadence™ fixed to battens) Up to 10 years (Prominence® / Cadence™ / Grandeur® / Neo Roman™ fixed to ply)
	Walling	Up to 18 years (Shadowline 305®) Up to 15 years (Prominence® / Cadence™ fixed to battens) Up to 10 years (Boulevard® / Prominence® / Cadence™ / Grandeur® / Neo Roman™ fixed to ply)	Up to 30 years (Shadowline 305®) Up to 15 years (Prominence® / Cadence™ fixed to battens) Up to 10 years (Boulevard® / Prominence® / Cadence™ / Grandeur® / Neo Roman™ fixed to ply)	Up to 30 years (Shadowline 305®) Up to 15 years (Prominence® / Cadence™ fixed to battens) Up to 10 years (Boulevard® / Prominence® / Cadence™ / Grandeur® / Neo Roman™ fixed to ply)	Up to 20 years (Shadowline 305®) Up to 15 years (Prominence® / Cadence™ fixed to battens) Up to 10 years (Boulevard® / Prominence® / Cadence™ / Grandeur® / Neo Roman™ fixed to ply)	Up to 30 years (Shadowline 305®) Up to 15 years (Prominence® / Cadence™ fixed to battens) Up to 10 years (Boulevard® / Prominence® / Cadence™ / Grandeur® / Neo Roman™ fixed to ply)
Combustibility		Fielders® products manufactured from COLORBOND® steel, ZINCALUME® steel or galvanized 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).				
Acceptable Construction Manuals		Design and construction information / manuals for each of the Fielders Finesse 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 NATA⁴ 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 required by AS 1562.1:2018 - Design and installation of sheet roof and wall cladding - Part 1: Metal - Section 2.1.3 Steel:	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/NZS 2728:2013 - 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. AS 1397-2021 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.				
Compliance with the deemed-to-satisfy provision of the NCC		NCC Volume 1 - For class 2 to 9 Buildings • 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) • 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: • NCC, Volume 1, Section B - Structure, Part B1 -Structural provisions (Deemed-to-Satisfy Provisions), Clause BID2 Resistance to actions, and Clause BID3 Determination of individual actions • NCC, Volume 1, Section B - Structure, Specification BID3 - Design of Buildings in Cyclonic Areas				

Notes:

- 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.
- Activate® technology is not available for COLORBOND® steel products with a galvanised steel substrate.
- Thermatech® solar reflectance technology is incorporated in the standard COLORBOND® steel colour range, excluding colour Night Sky®.
- 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 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.

Thermatech® solar reflectance technology is not available in Night Sky®, or non-standard colours, and is not available in COLORBOND® Stainless steel, COLORBOND® Metallic steel, or COLORBOND® Coolmax® steel.

COLORBOND®, ZINCALUME®, Thermatech®, Activate®, Fielders® and ® product names are registered trademarks of BlueScope Steel Limited and ™ product names are trademarks of BlueScope Steel Limited. © 2024 BlueScope Steel Limited. ABN 16 000 011 058. All rights reserved.

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