BATTENS

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 TOPHAT® PRODUCTS.

- Tophat 22
- Tophat 40
- Tophat 61
- Tophat 96
- Tophat 120

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

FIELDERS

NATIONAL CONSTRUCTION CODE OF AUSTRALIA (NCC 2022) COMPLIANCE STATEMENT
FIELDERS® BATTEN PRODUCT RANGE

Issuing Entity		BlueScope Steel Limited trading as Fielders	
Issue Date		February 2024	
Application		Tophat® battens 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 battens for cladding support systems when designed using the individual technical data available for each product, accessible at Fielders.com	
Product Brand		**Fielders®**	
Products[1]		• Tophat 22 • Tophat 40	• Tophat 61 • Tophat 96 • Tophat 120
Base Metal Brand		**TRUECORE® steel**	**ZINCALUME® steel**
Typical Environments		For low corrosive environments within the building envelope and not exposed to the elements >300m from breaking surf >150m from calm marine	For low corrosive environments within the building envelope and not exposed to the elements >300m from breaking surf >150m from calm marine
Base Metal Thickness Range		0.42mm - 0.75mm BMT	0.6mm – 1.2mm BMT
Minimum Yield Strength		550 MPa	500 – 550 MPa (1.2mm BMT = 500 MPa)
Coating		AM125	AM125
		125 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
Warranty[2]		Up to 50 years	Up to 25 years
Combustibility		Fielders® products manufactured from TRUECORE® steel or ZINCALUME® steel materials have an Ignitability Index, Spread of Flame index and Heat Evolved Index of 0 (zero) (AS 1530.3) and as such are considered non-combustible materials in accordance with the National Construction Code Volume 1 clauses C2D10 (5)(b) & (6)(e) and in Volume 2 clause H3D2 (1) (e).	
Australian Standards Compliance	Fielder published Limit State Capacities for Strength and Serviceability have been determined from testing in compliance with the following standards. Additionally full scale testing for have completed in accordance with:	AS/NZS 4600:2018 - Cold-formed steel structures AS/NZS 1530.3:1999 - Methods for fire tests on building materials, components and structures Part 3: Simultaneous determination of ignitability, flame propagation, heat release and smoke release (Reconfirmed 2016) AS 1530.1-1994 - Methods for fire tests on building materials, components and structures, Part 1: Combustibility test for materials 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 and serviceability in accordance with:	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 1170.2:2021 - Structural design actions, Part 2: Wind actions AS/NZS 1170.3:2011 - Structural design actions, Part 3: Snow and ice actions AS 4100:2020 - Steel structures AS/NZS 4600:2018 - Cold-formed steel structures	
	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 AS1397 defines the coating types and classes and steel grades for hot dip metallic coated steel. Fielders® product coating compliance is nominated at "Coating" above. 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		Published Capacity tables in reference manuals noted above are suitable to determine structural and serviceability of nominated products for individual projects referencing the following Australian Standards and NCC requirements: • NCC 2022 Volume 1 - For class 2 to 9 Buildings (Non-Residential) Section B - Structure, Part B1 - Structural Provisions: B1P2 -Structural Resistance; B1D3 Determination of individual actions (Deemed-to-Satisfy Provisions); B1D4 Determination of structural resistance of materials and forms of construction (Deemed-to-Satisfy Provisions), (c) (ii) Cold-formed steel structures: AS/NZS 4600. (c) (iii) NASH Standard - Residential and Low Rise Steel framing Part 1 : Design Criteria • NCC 2022 Volume 2 - For class 1 and 10 Buildings (Residential) Part H1D6 Steel Framing: H1D6 (a) (i) NASH Standard - Residential and Low Rise Steel framing Part 1 : Design Criteria; H1D6 (c) Cold-formed steel structures: AS/NZS 4600	

Notes:
1. Not all products are available in all materials and finishes. Not all products are available in all regions. Visit Fielders.com 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

UNDERSTANDING COMPLIANCE

The NCC outlines deem-to-satisfy requirements for metal products 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.

STATEMENT OF PRODUCT CONFORMANCE

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

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 nonconforming product,

INSIDE OUR BRANDS

Fielders range of steel building products are manufactured using Australia's leading coated steel materials.

TRUECORE® zinc coated steel and ZINCALUME® metallic coated steel from BlueScope are supplied to Fielders in large coils. Fielders then shapes and forms these materials (through the process known as rollforming) into our range of batten products.

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

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 nc[illegible] 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.

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