

UNDERSTANDING COMPLIANCE

The NCC outlines deem-to-satisfy requirements for flashings, cappings and gutters based on compliance to Australian Standards. The underlying tenant being that installed flashings, cappings and gutters must be sufficiently durable to meet the amenity and sustainability requirements of the Australian Standards.

Gutters, downpipes and flashings must be manufactured in accordance with AS/NZS 2179.1.

Fielders steel building products have been tested in the National Association of Testing Authorities accredited testing facilities to meet all relevant Australian Standards as 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 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 RAINWATER GOODS

MARCH 2020 | VER 3.0

THIS VERSION SUPERSEDES ALL PREVIOUS VERSIONS



THIS BULLETIN DETAILS RELEVANT NCC OF AUSTRALIA COMPLIANCE INFORMATION RELEVANT TO FOLLOWING FIELDERS STEEL RAINWATER GOODS PRODUCTS

- FIELDERS 115 HITEN O.G. GUTTER
- FIELDERS FASCIA COVER
- FIELDERS DOWNPIPES
- FIELDERS GUTTER / FASCIA SPRING CLIPS
- FIELDERS GUTTER OVERSTRAPS
- FIELDERS INTERNAL AND EXTERNAL CAST CORNERS
- FIELDERS 115 QUAD
- 115 QUAD (WA) GUTTER
- FIELDERS FLAT STEEL FASCIA
- FIELDERS DOWNPIPE ACCESSORIES
- FIELDERS 125 D GUTTER
- FIELDERS REBATED STEEL FASCIA
- FIELDERS GUTTER INTERNAL BRACKETS
- HALF ROUND EXTERNAL GUTTER BRACKETS
- FIELDERS 150 HALF ROUND GUTTER
- FIELDERS BARGE ROLL
- FIELDERS GUTTER ENDSTOPS
- FIELDERS HALFLINE® GUTTER
- FIELDERS BARGE CAPPING
- FIELDERS STEEL FASCIA RAFTER BRACKETS
- FIELDERS 150 HI FRONT QUAD GUTTER
- FIELDERS GUTTER STOP ENDS
- FIELDERS BARGE ROLL CAPS
- FIELDERS AINSWORTH O.G. GUTTER
- FIELDERS GUTTER INTERNAL AND EXTERNAL CORNERS
- FIELDERS FASCIA GUTTER
- FIELDERS LONGLINE GUTTER
- FIELDERS 350 ROLL TOP RIDGE CAP
- FIELDERS WIDE BASE OVOLO GUTTER
- FIELDERS LOW PROFILE RIDGE CAP
- FIELDERS URBIS GUTTER
- FIELDERS EDGE ROLL

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.

COLORBOND® steel, ZINCALUME® 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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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 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 rainwater goods 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

FIELDERS STEEL RAINWATER GOODS PRODUCT RANGE



ISSUING IDENTITY: BLUESCOPE STEEL LIMITED		REFERENCE ID: FIEL-NCC-RWG				VERSION: 3.0		ISSUE DATE: MARCH 2020									
APPLICATION		RAINWATER GOODS for class 1 and 10 Buildings (Residential)			RAINWATER GOODS ACCESSORIES for class 1 and 10 Buildings (Residential)												
SCOPE OF USE		All products noted below may be used as rainwater goods when designed using the individual technical data available for each product at https://specifying.fielders.com.au															
APPLICABLE PRODUCTS		ROOF GUTTERS		ROOF ACCESSORIES / CAPPINGS		ACCESSORIES											
		FIELDERS 115HITEN O.G. GUTTER FIELDERS 115 QUAD 115 QUAD (WA) GUTTER FIELDERS 125 D GUTTER FIELDERS 150 HALF ROUND GUTTER FIELDERS HALFLINE® GUTTER FIELDERS 150 HI FRONT QUAD GUTTER FIELDERS AINSWORTH O.G. GUTTER FIELDERS FASCIA GUTTER FIELDERS LONGLINE GUTTER FIELDERS WIDE BASE OVOLO GUTTER FIELDERS URBIS GUTTER		FIELDERS FASCIA COVER FIELDERS STEEL FASCIA FIELDERS REBATED STEEL FASCIA FIELDERS BARGE ROLL FIELDERS BARGE CAPPING FIELDERS GUTTER STOP ENDS FIELDERS GUTTER INTERNAL AND EXTERNAL CORNERS FIELDERS 350 ROLL TOP RIDGE CAP FIELDERS LOW PROFILE RIDGE CAP FIELDERS EDGE ROLL		FIELDERS DOWNPIPES FIELDERS DOWNPIPE ACCESSORIES FIELDERS GUTTER ENDSTOPS FIELDERS BARGE ROLL CAPS		FIELDERS GUTTER / FASCIA SPRING CLIPS			FIELDERS GUTTER OVERSTRAPS FIELDERS GUTTER INTERNAL BRACKETS FIELDERS STEEL FASCIA RAFTER BRACKETS	FIELDERS INTERNAL AND EXTERNAL CAST CORNERS HALF ROUND EXTERNAL GUTTER BRACKETS					
PRODUCT ATTRIBUTES		Base Metal Thickness Range		0.42mm - 0.48mm		0.4mm - 0.6mm		0.9mm - 1.0mm		1.0 - 1.2mm		As per Cast 2.5mm Typical					
		Min Yield Strength		550 MPa		G300 MPa		560MPa		G250 - G300MPa		N/A					
BASE MATERIAL BRAND NAME		ZINCALUME® steel		COLORBOND® steel		COLORBOND® Ultra steel		CK1055 steel		CK1055 steel with electrostatic coating		ZINCALUME® steel		ZINCALUME® steel with electrostatic coating		Cast ZINC Alloy with electrostatic coating	
TYPICAL ENVIRONMENTS		For Low to High corrosive environments; > 200m from breaking surf > 200m from calm marine		For Low to High corrosive environments; > 200m from breaking surf > 200m from calm marine		For Very High to High corrosive environments; > 100m from breaking surf > 100m from calm marine		For Low to High corrosive environments; > 200m from breaking surf > 200m from calm marine		For Very High to High corrosive environments; > 100m from breaking surf > 100m from calm marine		For Low to High corrosive environments; > 200m from breaking surf > 200m from calm marine		For Very High to High corrosive environments; > 100m from breaking surf > 100m from calm marine			
COATING		AM125		AM100		AM150		CK1055		CK1055		AM125		AM125		EZDA 3 Zinc Alloy ¹	
		125 g/m ² minimum metallic coating mass, (aluminium/zinc/magnesium alloy) with Activate® technology to AS 1397:2011		100 g/m ² minimum metallic coating mass, (aluminium/zinc/magnesium alloy) with Activate® technology to AS 1397:2011		150 g/m ² minimum metallic coating mass, (aluminium/zinc/magnesium alloy) with Activate® technology to AS 1397:2011		Zinc electroplated 12um min, FeZn12c Type A Trivalent Hydrogen De-embrittlement 190°C, 6 Hrs min to AS 1789:2003,		Zinc electroplated 12um min, FeZn12c Type A Trivalent Hydrogen De-embrittlement 190°C, 6 Hrs min to AS 1789:2003,		125 g/m ² minimum metallic coating mass, (aluminium/zinc/magnesium alloy) with Activate® technology to AS 1397:2011		125 g/m ² minimum metallic coating mass, (aluminium/zinc/magnesium alloy) with Activate® technology to AS 1397:2011		Zinc aluminium Alloy with typical composition of ZN - 94.75% - 95.06% AL - 0.04% - 0.05% Other Elements < 1%	
PAINT		N/A		Paint Coating to AS2728:2013 includes Thermatech® solar reflectance technology [^]		Paint Coating to AS2728:2013 Type 4 includes Thermatech® solar reflectance technology [^]		N/A		Electrostatically coated with 50-70 of Microns Interpon MetaPrep and a further 60-80 Microns of Interpon D1000 Excel		N/A		Electrostatically coated with 50-70 of Microns Interpon MetaPrep and a further 60-80 Microns of Interpon D1000 Excel		Electrostatically coated with 50-70 of Microns Interpon MetaPrep and a further 60-80 Microns of Interpon D1000 Excel	
COMPLIANCE WITH THE DEEMED-TO-SATISFY PROVISION OF THE NCC		NCC Volume 1 - For class 2 to 9 Buildings (Non-Residential) Damp and Weatherproofing Performance requirements FP 1.2 and FP 1.3															
		NCC Volume 2 - For class 1 and 10 Buildings (Housing Provisions) 3.5.2 Gutters and Downpipes Fielders published tables in reference manuals noted below are suitable to design gutter and downpipe systems in conjunction with AS/NZS 3500.3 and AS/NZS 3500.5 to meet NCC Performance Requirement P2.2.1															
ACCEPTABLE CONSTRUCTION AND DESIGN MANUALS		AS/NZS 3500.3:2015 Plumbing and Drainage Stormwater Drainage AS/NZS 3500.5:2000 National Plumbing and Drainage Domestic Installations															
		Design and installation information for each of the Fielders Rainwater goods products are provided at https://specifying.fielders.com.au/roofing-walling/rainwater-goods-and-accessories BlueScope Technical Bulletin 1A Steel roofing products - selection guide available at https://steelproducts.bluescopesteel.com.au															
AUSTRALIAN STANDARDS COMPLIANCE		Fielders Rainwater Goods are manufactured in compliance with the following standards															
		AS/ NZS 2179.1:2014 Specifications for rainwater goods, accessories and fasteners Metal shape or sheet rainwater goods, and metal accessories and fasteners AS/NZS 3500.3:2015 Plumbing and Drainage Stormwater Drainage AS/NZS 3500.5:2000 National Plumbing and Drainage Domestic Installations															
		Metallic coated products comply with AS 1397-2011 Continuous hot-dip metallic coated steel and strip - Coatings of zinc and zinc alloyed with aluminium and magnesium for coating class Z450, AZ150, or AM125. Pre-painted products comply with AS/NZS 2728:2013 Prefinished/prepainted sheet metal products for interior/exterior building applications - Performance requirements. AS/NZS2728 specifies requirements for the physical properties and long-term durability of pre-finished/pre-painted sheet metal products. CK1055 steel product complies with AS 1789-2003 Electroplated zinc coatings on ferrous articles CK1055 steel product complies with AS 1789-2003 Electroplated zinc coatings on ferrous articles with electrostatic coating. Electrostatic coatings have passed 1000 hour salt spray testing to AS 3715 Section 2.5.10, 1000 hour Humidity Resistance testing to AS 3715 Section 2.5.7 and Exterior Durability testing to AS 3715 EZDA 3 Zinc Alloy complies with AS 1881-1986 - Zn A14															

[^] Thermatech® solar reflectance technology is incorporated in the standard COLORBOND® steel colour range, however excludes Night Sky®.

¹ National Association of Testing Authorities

*Warranties subject to application and eligibility criteria. For full terms and conditions and to determine the eligibility of your product for a warranty visit bluescopesteel.com.au/warranties or call BlueScope on 1800 800 789.

Please note that not all products are available in all finishes or in each state. Please refer to your local Fielders Branch centre for product availability for your region.

¹It is important that the silicon sealant used at the junction of the gutter and EZDA 3 Zinc Alloy cast corner is installed so as to isolate the cast corner from the ZL / CB Gutter and water collected from the roof.