

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.

LYSAGHT® steel building products have been tested in Lysaght's own NATA accredited testing facility to meet all relevant Australian Standards as outlined in this document.

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;

- Suitable for the intended use, and
- 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

Lysaght's range of steel building products are manufactured using Australia's leading coated steel and prepainted aluminium materials.

COLORBOND® prepainted steel and ZINCALUME® aluminium/zinc/magnesium alloy coated steel and are supplied to Lysaght in large coils. Lysaght then shapes and forms these materials (through the process known as rollforming) into our range of roofing profiles, gutters, fascias and downpipes, plus products for fencing systems and home additions such as verandahs, patios and carports.

Similarly, PERMALITE® prepainted aluminium is used to manufacture a range of roofing, walling and structural products ideally suited to the most aggressive of environments.

FOR YOUR NEAREST SUPPLIER VISIT:

WWW.LYSAGHT.COM

FOR SALES ENQUIRIES CALL 13 30 38

FOR TECHNICAL ENQUIRIES CALL 1800 641 417

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RAINWATER GOODS



YOUR COMPLIANCE CHECKLIST

- Fully specify LYSAGHT® Profile, Finish & Coating class
- Check all details when you receive order confirmation
- On-Site - check delivery docket and product branding

THIS BULLETIN DETAILS RELEVANT NCC OF AUSTRALIA COMPLIANCE INFORMATION RELEVANT TO THE FOLLOWING LYSAGHT® STEEL BUILDING PRODUCTS.

- LYSAGHT® QUAD GUTTER
- LYSAGHT SHEERLINE® GUTTER & CAPPING
- LYSAGHT TRIMLINE®
- LYSAGHT FITFAST® GUTTER
- LYSAGHT EMLINE® GUTTER
- LYSAGHT HALF ROUND® GUTTER
- LYSAGHT FLATBACK® GUTTER
- LYSAGHT RANCELINE® GUTTER
- LYSAGHT COLONIAL® GUTTER
- LYSAGHT SHORELINE® GUTTER
- LYSAGHT NOVALINE® FASCIA SYSTEM
- LYSAGHT® ROLLTOP RIDGE
- LYSAGHT® VALLEY GUTTER
- LYSAGHT® BARGE ROLL
- LYSAGHT® BARGE CAPPING
- LYSAGHT® GUTTER STOP ENDS
- LYSAGHT® GUTTER INTERNAL AND EXTERNAL CORNERS
- LYSAGHT® DOWNPIPES
- LYSAGHT® DOWNPIPE ACCESSORIES
- LYSAGHT® GUTTER ENDSTOPS
- LYSAGHT® GUTTER / FACIA SPRING CLIPS
- LYSAGHT® GUTTER OVERSTRAPS
- LYSAGHT® GUTTER INTERNAL BRACKETS
- LYSAGHT® NOVALINE FACIA RAFTER BRACKETS
- LYSAGHT® INTERNAL AND EXTERNAL CAST CORNERS
- HALF ROUND EXTERNAL GUTTER BRKTS

LYSAGHT® – 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.

Lysaght's range of 100% 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 Lysaght's Rainwater goods and associated flashings/ capping's 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

LYSAGHT RAINWATER GOODS PRODUCT RANGE

Issuing entity:		BlueScope Steel Limited			Ref #: LYS-NCC-R&W		Version: V2.0		Issue date: 26/11/2019		
Application		Rainwater goods for class 1 and 10 Buildings (Residential)									
Scope of Use		All products noted below may be used as roof guttering or roof capping when designed using the individual technical data available for each product at www.lysaght.com for Lysaght products or www.permalite.com.au for PERMALITE® products									
APPLICABLE PRODUCTS		ROOF GUTTERS		ROOF ACCESSORIES / CAPPINGS		ACCESSORIES		CLIPS		ACCESSORIES	
		LYSAGHT® QUAD GUTTER LYSAGHT SHEERLINE® GUTTER & CAPPING LYSAGHT TRIMLINE® LYSAGHT FITFAST® GUTTER LYSAGHT EMLINE® GUTTER LYSAGHT HALF ROUND® GUTTER LYSAGHT FLATBACK® GUTTER LYSAGHT RANCELINE® GUTTER LYSAGHT COLONIAL® GUTTER LYSAGHT SHORELINE® GUTTER		LYSAGHT NOVALINE® FASCIA SYSTEM LYSAGHT® ROLLOP RIDGE LYSAGHT® VALLEY GUTTER LYSAGHT® BARGE ROLL LYSAGHT® BARGE CAPPING LYSAGHT® GUTTER STOP ENDS LYSAGHT® GUTTER INTERNAL AND EXTERNAL CORNERS		LYSAGHT® DOWNPIPES LYSAGHT® DOWNPIPE ACCESSORIES LYSAGHT® GUTTER STOP ENDS		LYSAGHT® GUTTER / FACIA SPRING CLIPS		LYSAGHT® GUTTER OVERSTRAPS LYSAGHT® GUTTER INTERNAL BRACKETS LYSAGHT® NOVALINE FACIA RAFTER BRACKETS LYSAGHT® EXTERNAL GUTTER BRACKETS	LYSAGHT® 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		1.0mm - 1.6mm	As per Cast. 2.5mm Typical
		Min Yield Strength		550 MPa		G300 MPa		560 MPa		G250 - G300 MPa	N/A
Base Material Brand Name		Zincalume® ZINCALUME® steel	Colorbond® COLORBOND® steel	Colorbond® COLORBOND® Ultra steel	CK1055 CK1055 steel	CK1055 CK1055 steel with electrostatic coating	Zincalume® ZINCALUME® steel	Zincalume® 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 > 100m 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		
Material Specification		Coating	AM125	AM100	AM150	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/m² minimum metallic coating mass, (aluminium/zinc/magnesium alloy) with Activate® technology to AS 1397-2011	125 g/m² 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 AS 2728-2013 includes Thermatech® solar reflectance technology*	Paint Coating to AS 2728-2013 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		<p>NCC Volume 1 - For class 2 to 9 Buildings (Non-Residential) Damp and Weatherproofing Performance requirements FP1.2 and FP1.3</p> <p>NCC Volume 2 - For class 1 and 10 Buildings (Housing Provisions) 3.5.2 Gutters and Downpipes Lysaght 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</p>									
Acceptable Construction Manuals		<p>AS/NZS 3500.3:2015 Plumbing and Drainage Stormwater Drainage AS/NZS 3500.5:2000 National Plumbing and Drainage Domestic Installations</p> <p>LYSAGHT® Rainwater Solutions Guide for applicable states at www.lysaght.com LYSAGHT® Architectural Detailing and Flashing Manual for Architects and Detailing professionals available at www.lysaght.com LYSAGHT® Product Advisory Bulletins Guides and Technical materials available at www.lysaght.com BlueScope Technical Bulletin 1A Steel roofing products - selection guide available at http://steelproducts.bluescopesteel.com.au</p>									
Australian Standards Compliance		<p>Lysaght Rainwater Goods are manufactured in compliance with the following standards</p> <p>AS/NZS 2179.1:2014 Specifications for rainwater goods, accessories and fasteners Metal shaper 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</p> <p>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 Pre-painted products comply with AS/NZS 2728:2013 Prefinished/prepainted sheet metal products for interior/exterior building applications - Performance requirements. AS/NZS 2728 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</p>									

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

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

1. It 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.