

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 Standard

Lysaght published installation guidelines include a design selection. The design selection data has been based on the fence panel capacity and the required resistance as determined from AS/NZS 1170.2 2011 (R2016) Part 2 Wind Loads. LYSAGHT® steel fencing range capacities have been determined from testing in Lysaght's own NATA accredited testing facility.

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

Lysaght's 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 are supplied to Lysaght in large coils. Lysaght 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.

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

NCCB07

NATIONAL CONSTRUCTION CODE OF **AUSTRALIA COMPLIANCE BULLETIN**

AUGUST 2019 | **REV 01** | This version supersedes all previous issues.

FENCING AND SCREENING



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

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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® product and colour names are registered trade marks of BlueScope Steel Limited. ™ product and colour names are trade marks of BlueScope Steel Limited ABN 16 000 011 058. The LYSAGHT® range of products is exclusively made by BlueScope Steel Limited trading as Lysaght.



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® steel fencing with both the NCC and the relevant Australian Standards for Residential buildings.





NATIONAL CONSTRUCTION CODE OF AUSTRALIA (NCC) COMPLIANCE STATEMENT LYSAGHT® STEEL FENCING SCREENING PRODUCT RANGE

	Issuing entity:	BlueScope Steel Limited	Ref #: LYS-NCC- Fencing	Version: V1.0	Issue Date: 23/08/2019
Application		NCC Class 10b Structure (Fence) – Reference: NCC 2019 BCA Volume 1, Section A, part A6 Building Classification, Clause A6.10 Class 10 buildings and structures			
Scope of Use		All products noted below may be used as boundary fencing when designed using the individual technical data available for each product at www.lysaght.com			
Products ³			SCREEN® LYSAGHT MINISCREEN® SCREEN PLUS® WITH LATTICE LYSAGHT MINISCREEN PLUS® WITH LA SCREEN PLUS® WITH SLATS LYSAGHT MINISCREEN PLUS® WITH SL		LYSAGHT SLATSCREEN® LYSAGHT LOUVRESCREEN®
Product Attributes	Base Metal Thickness Range	Fence Posts and Rails 0.8 mm	Fence Infills: 0.35 mm	Fence Slats: 0.35 mm SLATSCREEN®/LOUVRESCREEN® infill slats - 0.55 mm	Fence Lattice: 0.42 mm
	Min Yield Strength	550 MPa			
Base Material Brand Name		Colorbond [®] COLORBOND [®] steel			Zincolume® ZINCALUME® steel with electrostatic coating
Typical Environments		For Low corrosive environments; >1000 m from breaking surf >1000 m from calm marine			For Low corrosive environments; >1000 m from breaking surf >1000 m from calm marine
Material Specification	Coating	2275	AM100	AM100	AM125
		275 g/m² minimum metallic coating mass, (Zinc) 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	125 g/m² minimum metallic coating mass, (aluminium/ zinc/magnesium alloy) with Activate™ technology to AS 1397:2011
	Paint	Paint Coating to AS2728 : 2013	Paint Coating to AS2728 : 2013	Paint Coating to AS2728 : 2013	Electrostatically coated with 50-70 of Microns Interpon MetaPrep and a further 60-80 Microns of Interpon D1000 Excel
Warranty ²		Up to 10 Years ²			Up to 10 Years ²
NCC Compliance		NCC Volume 1 B1.1 Resistance to Actions: Lysaght published installation guidelines include a design selection. The design selection data has been based on the fence panel capacity and the required resistance as determined from AS/NZS 1170.2 2011 (R2016) Part 2 Wind Loads. The fence panel capacities have been determined by testing in the Lysaght R&T testing facility that has NATA accreditation.			
Acceptable Construction Manuals		LYSAGHT® FENCES & GATES Design and Installation Guide (Non Cyclonic) available at www.lysaght.com LYSAGHT® FENCES & GATES Design and Installation Guide (Cyclonic) available at www.lysaght.com LYSAGHT® Product Advisory Bulletins Guides and Technical materials available at www.lysaght.com			
Australian Standards Compliance		Lysaght published installation guidelines include a design selection. The design selection data has been based on the fence panel capacity and the required resistance as determined from AS/NZS 1170.2 2011 (R2016) Part 2 Wind Loads. The fence panel capacities have been determined by testing in the Lysaght R&T testing facility that has NATA accreditation			
		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 - 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. LYSAGHT® product coating compliance is nominated at "Coating" above. AS/NZS2728 specifies requirements for the physical properties and long-term durability of pre-finished/pre-painted sheet metal products. LYSAGHT® 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 alloy in the form of sheet, coil or strip.			

¹ National Association of Testing Authorities

 $^{{}^2 \}text{Warranties apply against corrosion to perforation due to weathering in the natural environment only} \\ {}^3 \text{Refer to www.lysaght.com for product availability}$