

CERTIFICATE OF COMPLIANCE: PURLINS, TOP HATS, BATTENS NATIONAL CONSTRUCTION CODE OF AUSTRALIA (NCC)

It is important that building products comply with the National Construction Code of Australia (NCC). The use of non-conforming products may leave builders, designers and installers at risk of future claims and damages. Each participant in the building process including the installer, builder, designer and supplier is responsible for ensuring products used, a) comply with relevant Australian Standards and NCC provisions and b) are suitable for the intended use. This is referred to as the Chain of Responsibility.

Metroll is proud to confirm that all our purlins, top hats and battens **meet the minimum requirements of relevant Australian Standards and the NCC.**

METROLL PRODUCTS

The following products are included in this specification:

Metroll C Purlins	Safebridge® C Purlins	Met-Lock Bridging	Locators	96mm Top Hats
Metroll Z Purlins	Safebridge® Z Purlins	Tab-Lock Bridging	22mm Battens	120mm Top Hats
Megaspan® C Purlins	Safebridge® Bridging	GP Brackets	40m Battens	
Megaspan® Z Purlins	Bridging Accessories	Clamp Ends	64mm Top Hats	

MATERIAL & FINISHES

The following materials and finishes are included in this specification:

GALVSPAN® steel	GALVABOND® steel	ZINCALUME® steel
TRUECORE® steel	Galvanised Z275 steel	

Purlins

BASE METAL THICKNESS (BMT):	1.0 - 3.0mm
MINIMUM YIELD STRENGTH:	G550MPa, G450MPa, G300MPa
COATING MASS:	Z275, Z350, Z450

Top Hats & Battens

BASE METAL THICKNESS (BMT):	0.42mm, 0.48mm, 0.75 - 1.2mm
MINIMUM YIELD STRENGTH:	G550MPa, G500MPa

COMBUSTABILITY

Metroll products manufactured from GALVSPAN® steel, GALVABOND® steel, ZINCALUME® steel, TRUECORE® steel or galvanised steel materials are suitable for use wherever a non-combustible material is required as per the NCC.

Ignitability Index: 0 Spread of Flame Index: 0 Heat Evolved Index: 0

SCOPE OF USE - INSTALLATION - ACCEPTABLE CONSTRUCTION

Purlins and accessories may be used in purlin and girt systems when designed and installed using the product specific design manuals. Top hats and battens may be used for cladding support when designed and installed using the product specific design manuals. Design manuals including acceptable construction can be found on our website:

www.metroll.com.au/metroll-resources-and-brochures-to-download/

AUSTRALIAN STANDARD COMPLIANCE

Information published for Metroll products has been determined to from testing at NATA accredited facilities. Metroll product and information is compliant to the following standards:

Design Information, Product Capacities, Installation/Construction, Materials, Testing

- AS/NZS 4600:2018 - Cold-formed Steel Structures
- AS/ANZ 4600:1996 Cold-formed steel structures
- AS 4100-1998 (R2016) Steel structures
- AS 1530.3-1999 (R2016) Methods for fire tests on Building materials
- AS1530.1 : 1994 (R2016) Combustability Tests for Materials - (Steel substrate)
- AS 4040.3 : 2018 Methods of testing sheet roof and wall cladding resistance to wind pressures for cyclone regions
- AS/NZS 1170.0:2002 Structural design actions, Part 0: General principles
- AS/NZS 1170.1:2002 (Reconfirmed 2016) Structural design actions, Part 1: Permanent, imposed and other actions
- AS/NZS 1170.2:2011 (Reconfirmed 2016) Structural design actions, Part 2: Wind actions
- AS/NZS 1170.3:2011 (Reconfirmed 2016) Structural design actions, Part 3: Snow and ice actions
- AS 4100-1998 (R2016) Steel structures
- AS/ANZ 4600:1996 Cold-formed steel structures
- AS 1397-2011 - Continuous hot dip metallic coated steel sheet and strip
- AS/NZS 2728:2013 Prefinished/prepainted sheet metal products for interior/exterior building applications - Performance requirements

DEEMED TO SATISFY COMPLIANCE

NCC Volume 1 - For class 2 to 9 Buildings (Non-Residential). Section B - Structure, Part B1 - Structural Provisions; BP1.2 - Structural Resistance

- B1.2 Determination of individual actions (Deemed-to-Satisfy Provisions)
- B1.4 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. (Top Hats & Battens only)

Top Hats & Battens

NCC 2019 Volume 2 - For class 1 and 10 Buildings (Residential).

Part 3.4.2 Steel Framing; - 3.4.2.0

(a) (i) NASH Standard - Residential and Low Rise Steel framing Part 1 : Design Criteria; - 3.4.2.0

(c) Cold-formed steel structures

AS/NZS 4600; Part 3.5.1 Sheet roofing; - 3.5.1.0 Application (a) (ii) In wind regions C and D (as applicable).