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

MATERIAL & FINISHES

The following materials and finishes are included in this specification:

	PURLINS	BATTENS & TOP HATS	BRIDGING & ACCESSORIES
MATERIALS & COATING MASS:	GALVASPAN® steel Z350, Z450	ZINCALUME® steel AM125 TRUECORE® steel AM150 GALVASPAN® steel Z350, Z450	Zinc Coated Galvanised Steel
BASE METAL THICKNESS (BMT):	1.0 - 3.0mm	0.42mm, 0.48mm, 0.55mm, 0.75 - 1.2mm	1.0 - 3.0mm
MINIMUM YIELD STRENGTH (MPa):	G450, G500, G550	G500, G550	G300, G450, G550

COMBUSTIBILITY

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

Fire Indices

Ignitability Index (0 - 20):	0
Spread of Flame Index (0 - 10):	0
Heat Evolved Index (0 -10):	0
Smoke Developed Index (0 - 10):	2

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 4100 : 2020 (R2016) Steel structures
AS 1530.3-1999 (R2016) Methods for fire tests on Building materials
AS1530.1 : 1994 (R2016) Combustibility Tests for Materials - (Steel substrate)
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/NZ 1170.2 – 2021, Structural Design Actions, Part 2: Wind actions
AS/NZS 1170.3:2011 (Reconfirmed 2016) Structural design actions, Part 3: Snow and ice actions
AS 1397-2021 - Continuous hot dip metallic coated steel sheet and strip

DEEMED TO SATISFY COMPLIANCE

NCC 2022 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 2022 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 - 2018 Cold-formed steel structures