

COMMERCIAL BUILDING PRODUCT SOLUTIONS

INCLUDING SECTION J ENERGY EFFICIENCY SOLUTIONS



A Met-TECH™ GUIDE

AUGUST 2026



Metroll®

BETTER SERVICE • BETTER BUILDING SOLUTIONS

METROLL COMMERCIAL BUILDING PRODUCTS

INCLUDING SECTION J ENERGY EFFICIENCY SOLUTIONS

Section J of the National Construction Code (NCC) Volume One sets mandatory energy efficiency requirements for Class 3, 5, 7, 8, and 9 commercial buildings. Metroll offers a complete commercial roofing solution that is compliant with Section J. The Metroll solution includes various roofing profiles, bridging, spacer and insulation systems.

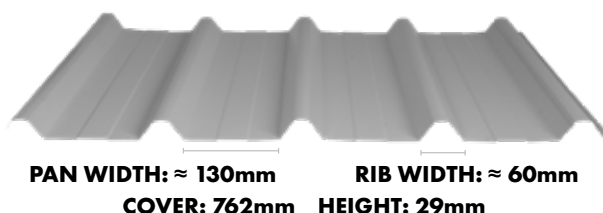
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1. COMMERCIAL ROOFING PROFILES



TRIMCLAD®

Trimclad® is custom length, high tensile steel roofing manufactured from 0.42mm and 0.48mm BMT COLORBOND®, ZINCALUME® and galvanised steels. Trimclad® is ideal for roof cladding on commercial and industrial buildings.

COMPATIBLE WITH LOKSEAL™ FOR TRIMCLAD® ROOFING.



What is Met-TECH™?

Met-TECH™ is Metroll's Technical Resource Centre. It is the one stop shop for all of Metroll's product and technical information. Perfect for builders, contractors and specifiers to source all the information they may require. You can find other Met-TECH™ items on our website www.metroll.com.au/resources

METLOK 700® VG4

**Available from: Metroll WA, Metroll SA, Metroll TAS, Metroll QLD
And select Metroll NSW branches: Dubbo, Lismore, Newcastle & Tamworth**

Metlok 700® VG4 is a concealed fix roof system that allows for thermal expansion and contraction of sheets making it ideal for long run applications. Manufactured from 0.42mm and 0.48mm BMT COLORBOND® and ZINCALUME® steels. Metlok 700® VG4 is suitable for use in commercial and industrial applications for roof pitches as low as 1 degree (1 in 50).

COMPATIBLE WITH LOKSEAL™ FOR METLOK 700® VG4 ROOFING.

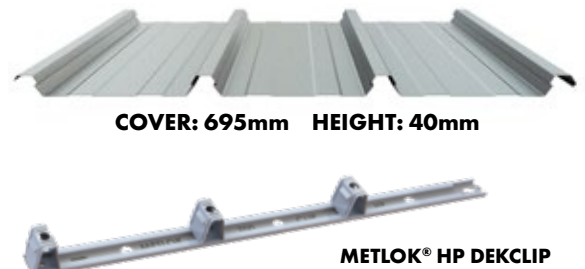


METLOK® HP

Available from select Metroll NSW branches: Sydney, Newcastle, Tamworth, Dubbo, Albury, Wagga Wagga & Canberra ACT

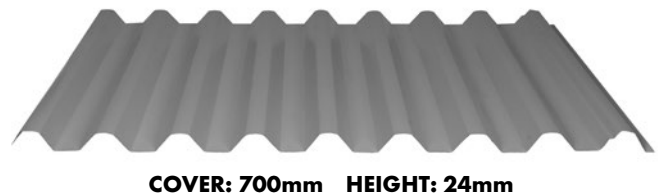
Metlok® HP (High Performance) is a concealed fix roof system ideal for long run roofing applications. Whilst similar to Metlok 700®, Metlok® HP features an underclip, not an overclip. The Metlok® HP underclip does not require installation over the top of the sheets which allows for bulk clip installation to the purlins. This makes Metlok® HP installation speedier and easier.

COMPATIBLE WITH LOKSEAL™ FOR METLOK® HP ROOFING.



METROSPAN®

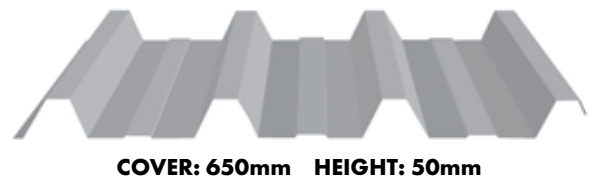
Metrospan® is roll formed, custom length, high tensile steel roofing and wall sheeting manufactured from 0.42mm and 0.48mm BMT COLORBOND® steel, ZINCALUME® steel and galvanised steel. Metrospan® is ideal for roofing and wall cladding on commercial and industrial buildings, roofing for new homes, home extensions, carports, garages, patios, fascia and facade work.



HI-DECK 650®

**Available from Metroll WA branches, Metroll VIC branches,
Metroll Sydney & Metroll Adelaide branches**

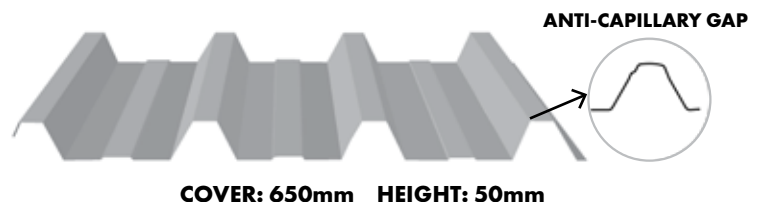
Hi-Deck 650® is custom length, high tensile steel roofing sheeting manufactured from 0.42mm and 0.48mm BMT COLORBOND® and ZINCALUME® steels. Hi-Deck 650® is ideal for new and renovated commercial and industrial applications.



HI-DECK 650® HC - HIGH CAPACITY

Available from Metroll QLD branches only.

Hi-Deck 650® HC is high capacity, steel roofing manufactured from 0.42mm and 0.48mm COLORBOND® and ZINCALUME® steels. Hi-Deck 650® HC features an anti-capillary gap designed for substantial roof draining performance.



METROLL SECTION J ENERGY EFFICIENCY SOLUTIONS

2. ROOF LAP JOINING & SEALING SYSTEMS

LOKSEAL™ is a patented roof lap joining and sealing system. It provides roofing installers with a fast and easy, cost effective solution to long-length roof sheet spans. LOKSEAL™ is a high-strength steel clip that has been tested to withstand the rigours of high wind and rainfall events.

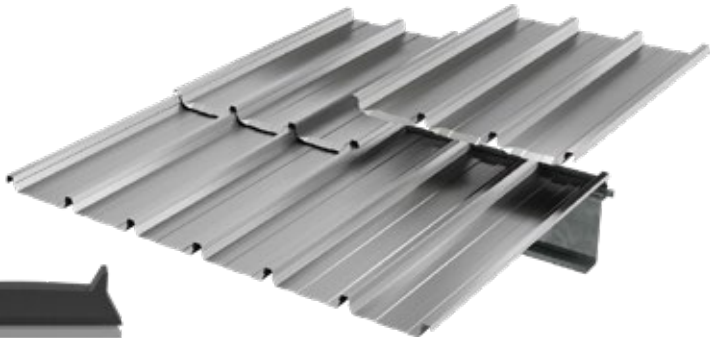
FEATURES & BENEFITS

SAFER ROOF SYSTEM	Smaller install crews, safer and easier roof sheet handling.
UNIFORM PURLIN HEIGHT	No roof step.
LOW PROFILE	Single roof plain, visibly appealing.
TRIED & TESTED	Accepted sealing method of end laps/extension joints.
SUPPORT & STRENGTH	The end of the sheet and the seal is supported by a strong, custom shaped bracket.
FOAM SEAL	Ensures correctly formed seal and strong, positively fixed roof sheet join.
SEAL/ JOIN OCCURS AT THE END OF THE ROOF SHEET	

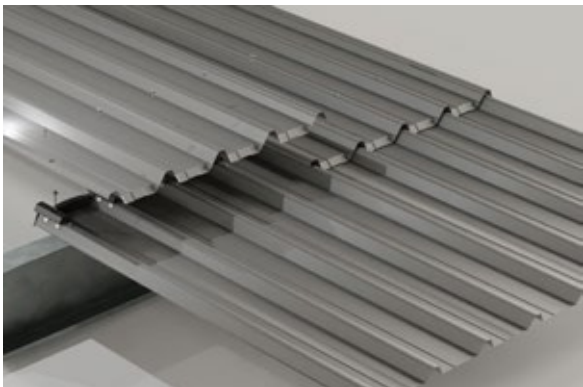
1. LOKSEAL™ FOR METLOK 700® VG4 ROOFING



2. LOKSEAL™ FOR METLOK® HP ROOFING



LOKSEAL™ FOR TRIMCLAD®



LOKSEAL™ for Trimclad® is compatible with translucent sheeting

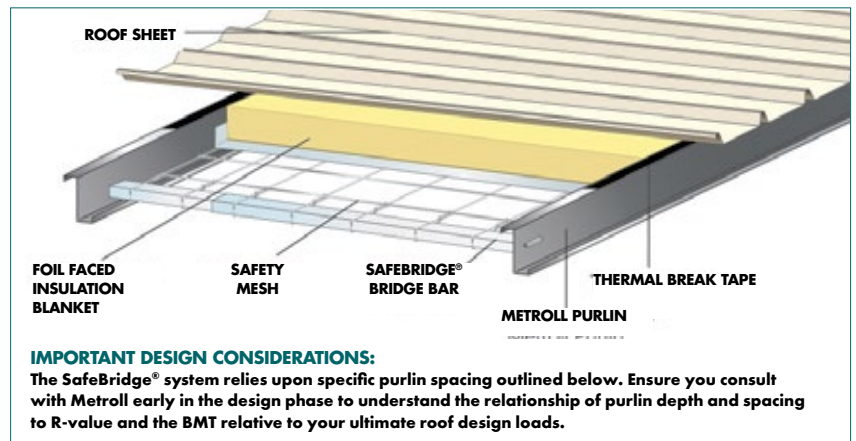
METROLL SECTION J ENERGY EFFICIENCY SOLUTIONS

3. BRIDGING & ROOF SPACER SYSTEMS

Roof spacers and bridging are critical components in Australian commercial construction for achieving compliance with Section J of the National Construction Code (NCC), which mandates energy efficiency in Class 2-9 buildings. They prevent the thermal bridging that occurs when roof cladding is fixed directly to purlins, allowing insulation to recover to its full nominal thickness and R-Value. Metroll offers two solutions.

1. SAFEBRIDGE® PURLIN & INSULATION SYSTEM

SafeBridge® is an innovative, award winning roofing system that can be adapted to almost any commercial or industrial roof structure. Fully compliant with the current requirements of the BCA Section J, SafeBridge® utilises the existing purlin space to provide energy efficient roof insulation without compromising roof height, wind rating or structural integrity. Metroll purlins are compatible with the SafeBridge® Purlin & Insulation System.



FEATURES & BENEFITS

- Can achieve high thermal performance in any climate zone (as defined by the BCA/NCC).
- Utilises the purlin space without elevating the overall roof or fascia height. No roof spacers required.
- Suitable for both cyclonic and non-cyclonic regions.
- Retains the structural integrity and load points of the roof interior.
- Suits most roof pitches and complex roof designs.
- Available in foil, decorative or acoustic finishes on the internal faced insulation material.
- Creates a safer roof environment for workers during construction.

2. EZYRAK INSULATION SPACER SYSTEM

The EZYRAK spacer system is an insulation spacer for metal roof construction that is made from hi-tensile steel and is tough, quick, and easy to install. Suitable for all roof profiles; the system comprises of L-shaped bars that connect to each other by the patented Lock n Go connection. EZYRAK sits between the roof or wall structure and the external metal roof sheet or cladding, creating a space for insulation, maintaining its position and thickness, forming a continuous thermal barrier.



METROLL SECTION J ENERGY EFFICIENCY SOLUTIONS

4. INSULATION

Section J of the National Construction Code (NCC), which mandates energy efficiency in Class 2-9 buildings involves sealing the building envelope, using certified insulation (AS/NZS 4859.1), and installing thermal breaks, particularly in climate zones with high heating/cooling loads.

ALL-IN-ONE™ REFLECTA™ Insulation, Roof Safety Mesh & Moisture Barrier

Advanced reflective roof insulation with integrated wire, combining thermal performance, vapour control, durability; reduces heat and condensation.

FEATURES & BENEFITS

COMPLETE MULTI-LAYER ROOFING SOLUTION

Multi-layer reflective insulation with integrated wire provides fall arrest, vapour control and thermal protection.

ADVANCED MOISTURE CONTROL

Effective vapour management prevents condensation and moisture build-up, enhancing roof durability.

ALL-IN-ONE SIMPLICITY

One product does it all - saving you time, cost and hassle.

ULTIMATE PROTECTION

Delivers superior safety, durability, comfort and peace-of-mind.



METROLL COMMERCIAL BUILDING PRODUCTS

5. MEGASPAN® PURLINS & GIRTS

Metroll Megaspan® purlins and girts are a range of performance enhanced Z and C purlins. The profile has been optimised to deliver capacity improvements of more than 20% compared with standard purlins. Metroll Megaspan® purlins and girts are used primarily in the design of sheds, industrial and commercial buildings. Sections are typically used to support roof and wall sheeting in these buildings.

Metroll Megaspan® purlins and girts are manufactured from high tensile G450, G500 or G550 galvanised steel, with a minimum of Z350 galvanised coating (350g/m²) conforming to AS1397. 3. Not all styles are available in all branches. Minimum order quantities may apply. Lead times may apply. Contact your Metroll branch for details.

For more information view the Megaspan® Purlins & Girts Design Manual & Capacity Tables at metroll.com.au.

MEGASPAN® C & Z SECTION SIZE & MASS

Section	Thickness (t) mm	Mass kg/m
150 12	1.2	2.89
150 15	1.5	3.58
150 19	1.9	4.50
150 24	2.4	5.68
200 12*	1.2	3.62
200 15	1.5	4.48
200 19	1.9	5.75
200 24	2.4	7.19
250 15*	1.5	5.15
250 19	1.9	6.49
250 24	2.4	8.20
300 24	2.4	10.10
300 30	3.0	12.50
350 30	3.0	15.15
400 30*	3.0	15.15
400 30WF*	3.0	16.67

IMPORTANT NOTE

It is important that standard purlins from Metroll or other suppliers ARE NOT substituted for designs utilising information from the Megaspan® design manual. As Megaspan® is a higher performance section, standard purlins will not deliver the same load capacities and hence may be under-designed and potentially unsafe.

METROLL COMMERCIAL BUILDING PRODUCTS

6. TOP HATS

Metroll manufacture Top Hats suited to a variety of residential, commercial and industrial applications. Manufactured from high-tensile galvanised steel and G550, AZ150 ZINCALUME® steel conforming to AS 1397. Metroll Top Hats are ideal for sheds, light industrial and commercial buildings. They can be used as a purlin or a girt and are ideal where greater roof spans are required.

Top Hats may vary between branches. Contact your local Metroll for more information.

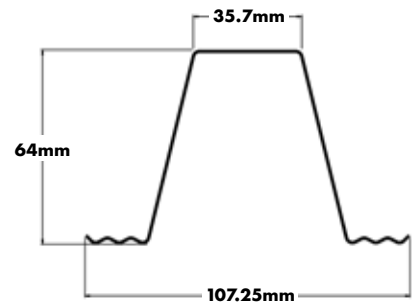
For more information view the Ceiling Battens, Roof Battens & Top Hats Design Manual at metroll.com.au.

FEATURES & BENEFITS

- Wide range of applications
- Large spans
- Range of gauges
- Quick to install
- Available in ZINCALUME® and galvanised steels

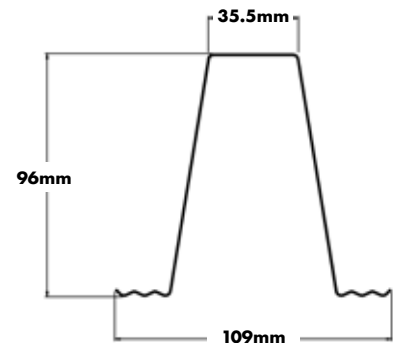
64mm TOP HAT

BMT: 0.75, 0.95, 1.15



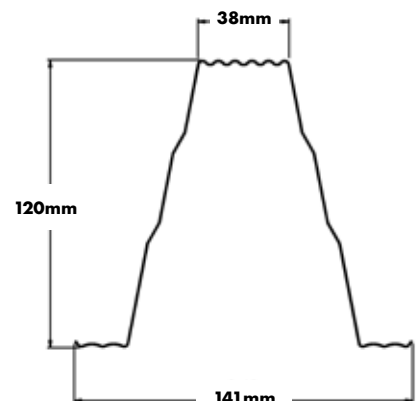
96mm TOP HAT

BMT: 0.75, 0.95, 1.15

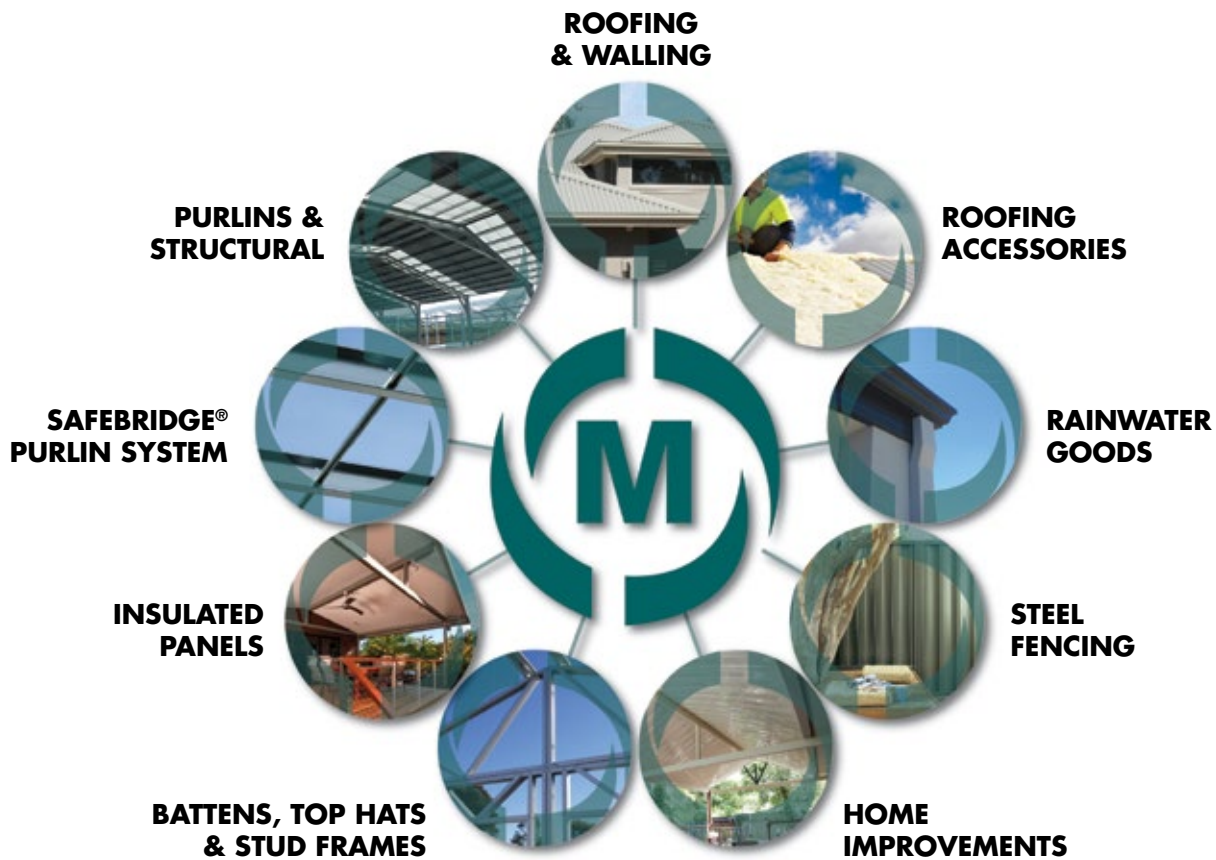


120mm TOP HAT

BMT: 0.75, 0.95, 1.15



Can we assist with any additional Steel Building Products?



QLD

Brisbane	07 3375 0100
Bundaberg	07 4155 5999
Cairns	07 4054 0888
Mackay	07 4968 1255
Rockhampton	07 4920 0900
Sunshine Coast	07 5493 7872
Toowoomba	07 4634 6144
Townsville	07 4779 8266

NSW

Albury	02 6043 6800
Coffs Harbour	02 6690 3900
Canberra	02 6298 2777
Dubbo	02 6883 4800
Lismore	02 6622 6677
Newcastle	02 4954 5799
Smithfield	02 9756 5277
Sydney	1300 766 346
Tamworth	02 6765 4799
Wagga Wagga	02 5924 4500

VIC

Ballarat	03 5335 6416
Geelong	03 5248 2006
Laverton	03 8369 8300
Pakenham	03 8710 9300
Sunshine	03 9480 3744

TAS

Hobart	03 6335 8555
Launceston	03 6335 8555

NT

Darwin	08 8935 9555
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SA

Adelaide	08 8282 3300
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WA

Albany	08 9841 6966
Bunbury	08 9796 9796
Kalgoorlie	08 9024 1388
Perth	08 9365 5444

31 Metroll Branches Nationwide

Visit our website
metroll.com.au



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