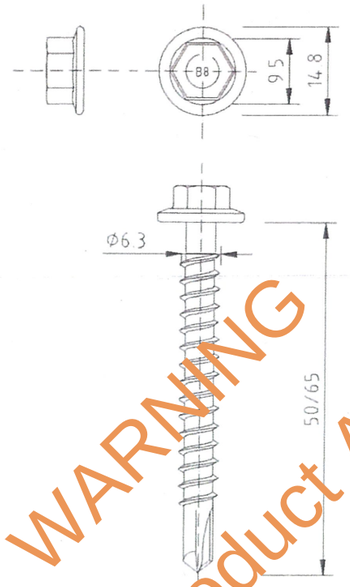
IN ACCORDANCE WITH NCC VOLUME 2 (SECTION P3.10.1), THIS PRODUCT SATISFIES PERFORMANCE REQUIREMENT P2.1.1 FOR CONSTRUCTION IN A HIGH WIND AREA.

CYCLONE ASSEMBLY COMPONENTS

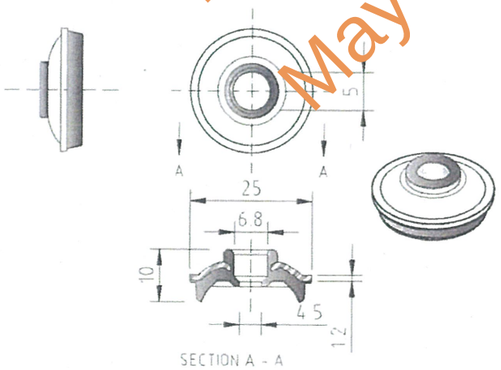
Comprising of self drilling screw & one piece cyclone washer

METAL DRILLING SCREW WITH BRA WASHER CYCLONE ASSEMBLY

FOR SELF DRILLING INTO STEEL PURLINS
14-10 x 50/65mm
(HEAD MARKING B8 & B8V)



BREMICK BRA - CYCLONE WASHER / SEAL
ONE PIECE ALUMINIUM / EPDM CYCLONE WASHER

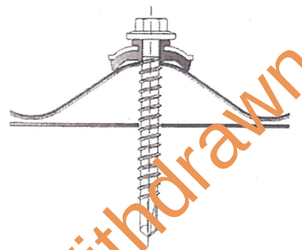


Note:
All dimensions mm (nominal)

Side Lap Fixing

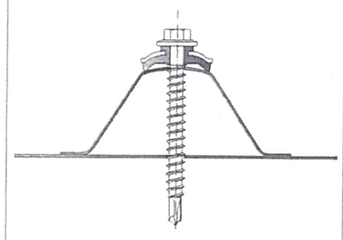
Bremick Vortex™ Stitch M6.5-13 x 20
(900mm centres min.)

FASTENING:
METROLL CORODEK
0.42mm BMT G550 min.



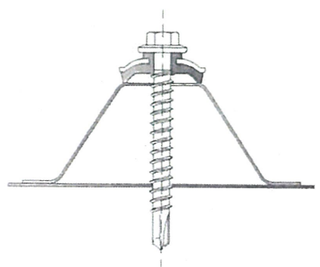
FASTENING TO:
STEEL PURLINS
1.0mm BMT min. G550 min.
1.5mm BMT min. G450 min.

FASTENING:
METROLL TRIMCLAD
0.42mm BMT G550 min.



FASTENING TO:
STEEL PURLINS
1.0mm BMT min. G550 min.
1.5mm BMT min. G450 min.

FASTENING:
METROLL METROSPAN
0.42mm BMT G550 min.

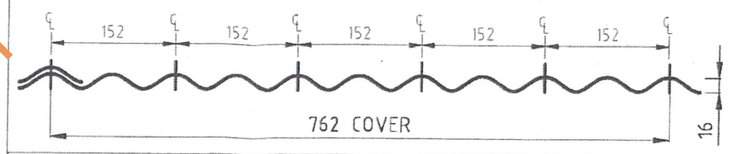


FASTENING TO:
STEEL PURLINS
1.0mm BMT min. G550 min.
1.5mm BMT min. G450 min.

CORRUGATED ROOFING PROFILE

FASTENER SPACINGS

Crest Fastener Locations : Alternate Ribs (152mm Centres)



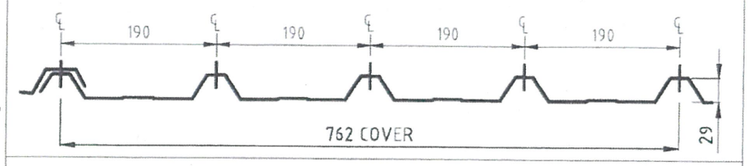
METROLL CORODEK ROOF CLADDING - ULTIMATE LIMIT STATE DESIGN PRESSURES (kPa)

	Maximum Design Pressure (kPa) for Span L (mm)					
Span Type	**600**	**750**	**900**	**1200**	***1500***	***1800***
Internal	5.98	4.64	3.75	2.63	*2.04*	*1.65*
Equal	5.29	4.07	3.31	2.40	*1.85*	*1.60*
Double	4.23	3.26	2.65	1.92	*1.48*	*1.20*

SQUARE RIB ROOFING PROFILES

FASTENER SPACINGS

Crest Fastener Locations : Each Rib (190mm Centres)



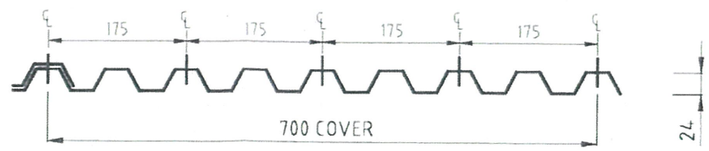
METROLL TRIMCLAD ROOF CLADDING - ULTIMATE LIMIT STATE DESIGN PRESSURES (kPa)

	Maximum Design Pressure (kPa) for Span L (mm)					
Span Type	**600**	**900**	**1200**	***1500***	***1800***	***2100***
Internal	5.49	3.29	2.19	*1.75*	*1.46*	*1.25*
Equal	4.75	2.83	2.00	*1.59*	*1.33*	*1.14*
Double	3.80	2.27	1.60	*1.28*	*1.06*	*0.91*

TRAPEZOIDAL RIB ROOFING PROFILES

FASTENER SPACINGS

Crest Fastener Locations : Alternate Ribs (175mm Centres)



METROLL TRIMCLAD ROOF CLADDING - ULTIMATE LIMIT STATE DESIGN PRESSURES (kPa)

	Maximum Design Pressure (kPa) for Span L (mm)					
Span Type	**600**	**750**	**900**	**1200**	**1500**	**1800**
Internal	6.06	5.08	4.43	3.62	2.53	1.81
Equal	5.52	4.63	4.04	3.30	2.24	1.65
Double	4.62	3.91	3.38	2.64	1.80	1.32

Product Name

SDM BRA Cyclone Assembly

Product Description: Roofing Fasteners

SDM 14-10 x 50/65 -BRA Cyclone Assembly with Metroll Profiles

Manufacturer's Name: BREMICK Pty Ltd
F1, 62 Maddox Street
Alexandria NSW 2015
Ph: 02 8332 1501
Email: sales@bremick.com.au

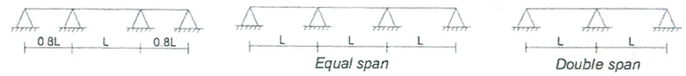
Design Criteria

Fastener & support spacing to be controlled such that the maximum design loading per fastener or maximum design pressures do not exceed:

Table 1 : Strength Limit State Design Loads per Fastener

Roofing Profile	Test Load (kN)	C.O.V. (Kɸ)	Design Load (kN)
Corodek	0.73	1.38	0.53
Trimdek	0.83	1.38	0.60
Metrospan	1.05	1.38	0.76

Description of span types in tables refer to the following support and geometry configurations:



Where △ denotes a support location, L = span to be used in conjunction with the table

Limitations

This sheet confirms the structural adequacy of the roof sheeting assembly (sheeting, screw and washer) when correctly installed and does not extend to the capacity of the batten/purlin. Refer to the sheeting & batten manufacturers data for maximum support spacings. Axial withdrawal capacity for each fastener exceeds the 3.1kN requirements of AS3566.1: 2002 - Self-drilling screws for building and construction industries - General requirements and mechanical properties.
Strength limit state fastener loads have been derived from the test pressures using simplified static analysis with the uniform pressure (load) distribution.

Notes to tables:
1. Italic denotes spans that exceed foot traffic limitations.
2. Maximum Corodek spans to suit foot traffic are 1350mm
3. Maximum Trimclad spans to suit foot traffic are 1350mm

Test Certificate Numbers

JCU Cyclone Testing Station Report TS1069 Cyclic Simulated Wind Load Strength Testing of Roofing Screw and 25mm BRA Washer Assemblies for Roofing Applications, 26th June 2017

*Checking Engineers Certification

Name: RACHAEL ZELNER
Registration Number: 2222141
Date: 17.4.19
Signature:
*registered as a structural engineer in Ausralia

*Certifying Engineers Certification

Name: TREVOR JOHN
NT Registration Number: 12178ES
Date: 17/04/2019
Signature:
**registered as a structural engineer in the Northern Territory

Accepted for Inclusion

DTCM ref: M/581/01

Chairman's Signature:

Chairman's Name: Paul Nowland

Date of Approval: 24/05/2019 Expiry Date: 24/05/2024