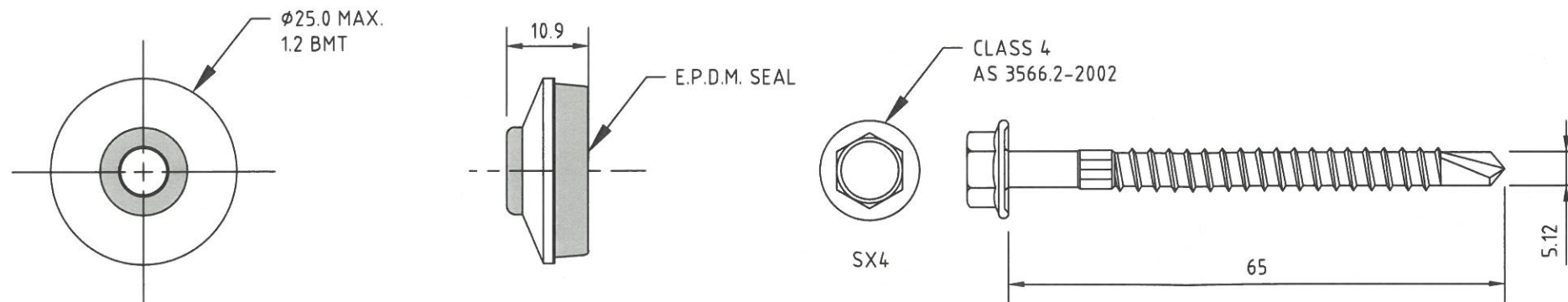


NORTHERN TERRITORY DEEMED TO COMPLY MANUAL – National Construction Code (NCC) Volume 2

This product has been determined to satisfy NCC Performance Requirement H1P1 for structural resistance of materials and forms of construction in high wind areas

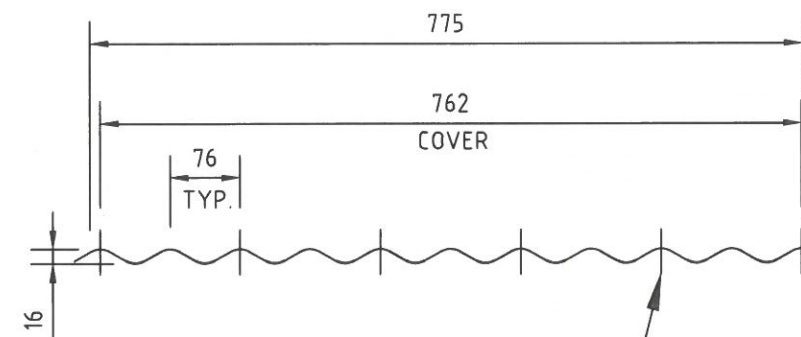


ALL DIMENSIONS IN mm (NOMINAL)

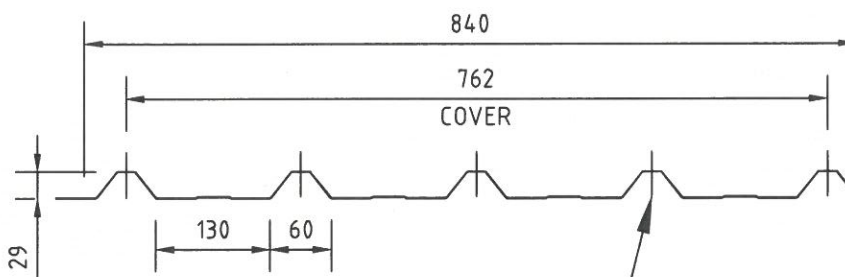
STRENGTH LIMIT STATE DESIGN LOADS/FASTENER

PROFILE	THICKNESS BTM (mm)	DESIGN LOAD (kN)
CORODEK	0.42	0.50
	0.48	0.79
TRIMCLAD	0.42	0.50
	0.48	0.78

NOTE: SUPPORT TO BE 0.75mm G550MPa/1.5mm G450MPa min.



LOCATION OF SCREW FIXINGS
METROLL CORODEK



LOCATION OF SCREW FIXINGS
METROLL TRIMCLAD

ALL DIMENSIONS IN mm (NOMINAL)

CYCLONIC DESIGN CAPACITIES FOR METROLL CORODEK WITH SURE-SEAL CYCLONIC WASHER

THICKNESS BMT (mm)	SPAN TYPE	MAXIMUM DESIGN PRESSURE (kPa) FOR SPAN L (mm)					
		450	600	900	1200	1500	1800
STEEL PURLINS 1.5mm BMT G450min METAL BATTENS 0.75mm BMT G550min	0.42	6.04	4.37	2.76	2.00	1.55	1.27
	0.48	7.71	5.58	3.54	2.56	2.00	1.63
	0.42	7.52	5.98	4.33	3.44	2.88	2.49
	0.48	8.70	6.91	5.00	3.98	3.33	2.88

CYCLONIC DESIGN CAPACITIES FOR METROLL TRIMCLAD WITH SURE-SEAL CYCLONIC WASHER

THICKNESS BMT (mm)	SPAN TYPE	MAXIMUM DESIGN PRESSURE (kPa) FOR SPAN L (mm)					
		450	600	900	1200	1500	1800
STEEL PURLINS 1.5mm BMT G450min METAL BATTENS 0.75mm BMT G550min	0.42	5.55	3.83	2.26	1.56	1.17	0.92
	0.48	7.37	5.09	3.02	2.08	1.56	1.23
	0.42	7.33	5.26	3.30	2.37	1.83	1.49
	0.48	9.41	6.77	4.25	3.06	2.37	1.92

Product Name

TRUFast 14-10 X 65mm HEX HEAD SELF DRILLING SCREW WITH SURE-SEAL CYCLONIC BONDED WASHER

Product Description

TRUFast 14-10 X 65mm HEX HEAD SELF DRILLING SCREW WITH SURE-SEAL CYCLONIC BONDED WASHER WITH METROLL CORODEK AND TRIMCLAD PROFILES

Manufacturer's Details

TRUFast PTY
5/20 BOORAN DRIVE,
WOODRIDGE, QUEENSLAND, 4114

Design Criteria

WIND SPEEDS TO BE DETERMINED IN ACCORDANCE WITH AS/NZS 1170.2-2021 STRUCTURAL DESIGN ACTIONS PART 2: WIND ACTIONS

DESIGN TABLES ARE BASED ON TEST RESULTS IN ACCORDANCE TO NCC-2022, BUILDING CODE OF AUSTRALIA REQUIREMENTS FOR 'LHL' CYCLONIC TEST FOR METAL ROOFS AND RELEVANT CLAUSES OF AS4600:2018 COLD FORMED STRUCTURES.

Limitations

THE DATA IN THIS SHEET SHALL BE APPLICABLE TO METROLL CORODEK AND TRIMCLAD CLADDING ONLY.

THE TABLE VALUES ARE ONLY VALID FOR USE WHEN THE SUPPORTING STEEL MEMBERS ARE HIGH TENSILE STEEL, G450 WITH THICKNESS GREATER THAN OR EQUAL TO 1.5mm OR G550 WITH THICKNESS GREATER THAN OR EQUAL TO 0.75mm.

TABLE VALUES ARE FOR ULTIMATE LIMIT STATE DESIGN PRESSURES ONLY. FOR SERVICEABILITY AND FOOT TRAFFIC DATA REFER TO CLADDING MANUFACTURERS DATA.

Accepted for inclusion in Deemed to Comply Manual

DTCM drawing number: M/418/01-01

Chairperson Signature:

Elisha Harris

Chairperson Name: Elisha Harris

Date of Approval: 26/10/2025

Expiry Date: 26/10/2030

Notes covering basis of DTC (Relevant test reports etc)
JCU CYCLONE TESTING STATION REPORT TS1349 SIMULATED WIND LOAD STRENGTH TESTING OF 14-10X65mm HEX HEAD SELF DRILLER SCREWS, 5TH AUGUST 2024.

Checking Engineer

Name: LEO NOICOS

Registration Number: 70762

Date: 17/6/2025

Signature:

Leo Noicos

Must be an Australian registered structural engineer

Certifying Engineer

Name: Rachael Zeuner

NT Registration Number: 309710ES

Date: 17/6/2025

Signature:

Must be a registered structural engineer in the Northern Territory