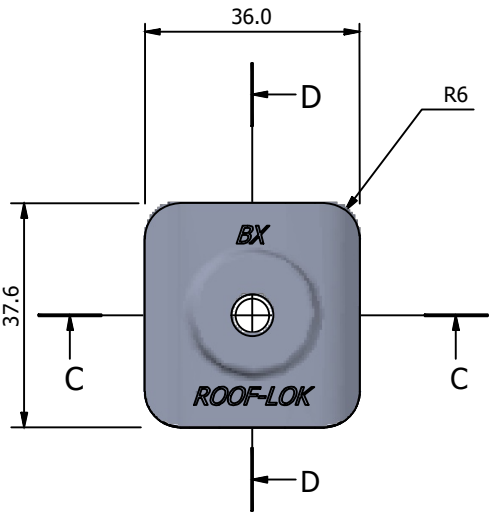
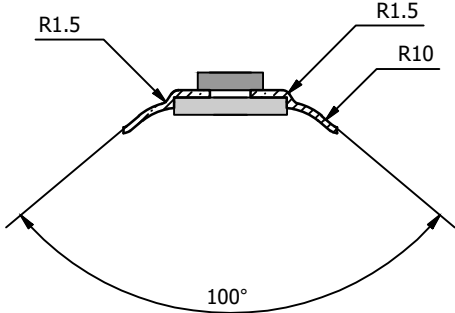


NORTHERN TERRITORY DEEMED TO COMPLY MANUAL - National Construction Code (NCC) Volume 2

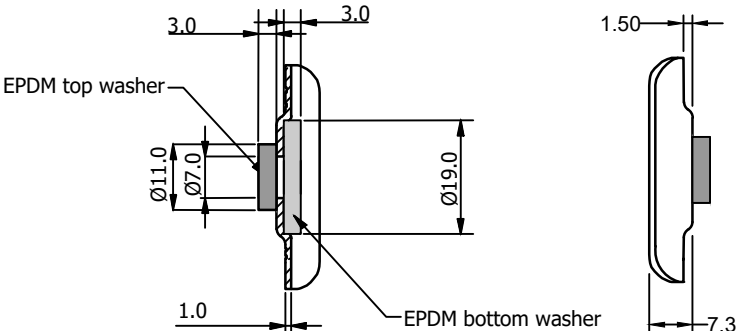
This product has been determined to satisfy NCC Performance Requirement H1P1 for structural resistance of materials and forms of construction in high wind areas



ROOF-LOK WASHER



SECTION C-C (1:1)



SECTION D-D (1 : 1)

Product Name

Roof-Lok cyclone plate washer

Product Description

ROOF-LOK CYCLONE PLATE WASHER FOR CORRUGATED AND RIB/PAN ROOFING PROFILES

Manufacturer's Details

ITW BUILDDEX 157 - 185 Discovery Road, Dandenong South VIC 3175

Locked Bag 1407, Dandenong VIC 3164

Design Criteria

1. THE PLATE WASHER WAS TESTED TO A TEST PRESSURE OF 9.0 kPa IN ACCORDANCE WITH THE LOW/HIGH/LOW TESTING REGIME. A MATERIAL VARIABILITY FACTOR OF 1.38 HAS BEEN APPLIED, RESULTING IN A RECOMMENDED ULTIMATE STRENGTH LIMIT STATE PRESSURE OF 6.52 kPa.
2. CLADDING COMBINATION ALSO TESTED TO 9 kPa.
3. THE FOLLOWING STANDARDS APPLY TO THIS DESIGN:

AS/NZS1170.0:2002 (Amdt 1,2,3,4,5)
AS/NZS1170.1:2002 (Amdt 1,2 & R2016)
AS/NZS1170.2:2021 (Amdt 1,2)
AS4055:2021 (Amdt 1)
AS4040.0:1992 (R2016)
AS4040.1:1992 (R2016)
AS4040.3:2018

Limitations

1. APPLICABLE ONLY WHEN USING 14 GAUGE BUILDDEX SCREWS.
2. SCREW PULL OUT, CLADDING AND ROOF PURLINS CAPACITY TO BE SEPARATELY CERTIFIED.
3. TESTING WAS UNDERTAKEN WITH PURLIN/BATTEN THICKNESS OF 1.5 mm.
4. PRODUCT CAN ONLY BE USED WITH BUILDDEX SCREWS, AND WHEN REPLACING SQUARELOK AND CORRILOK PLATE WASHERS.
5. WHERE DESIGN WIND PRESSURE EXCEEDS 6.52 kPa (E.G LOCAL PRESSURE ZONES/ROOF EDGES), CLADDING SPANS ARE TO BE REDUCED SO THAT WASHER LOAD REMAINS CONSTANT.

Accepted for inclusion in Deemed to Comply Manual

DTCM drawing number: M/463/01-01

Chairperson Signature:

Chairperson Name: Elisha Harris

Date of Approval: 30/04/2026 Expiry Date: 30/04/2031

CYCLIC DESIGN CAPACITIES - ROOF-LOK CYCLONIC PLATE WASHER								
Washer/plate	Cladding profile	Cladding thickness (mm)	Supports	Maximum Cladding span (mm)	Max test pressure applied (kPa)	Fastener Teks ®	Screw spacing	Recommended cyclonic ultimate strength limit state design wind capacity (kPa)
Roof-Lok	Rib/Pan Ribs @ 190 cts	0.42	1.5 mm Batten	900/900/900	9.0	14 - 10x65	Every Rib	6.52
Roof-Lok	Corrugated Ribs @ 76 cts	0.42	1.5 mm Batten	900/900/900	9.0	14 - 10x50	Every 2nd corrugation	6.52

WASHER INFORMATION:

- PLATE MATERIAL: ALUMINUM ZINC COATED STEEL SHEET, G300, 1.0 mm THICK
- COATING: POLYESTER BASE ALUMINUM TOP COAT ON ZINCALUME (HOT DIPPED ALUMINUM/ ZINC/ MAGNESIUM ALLOY)
- SUITABLE FOR CATEGORY 5 (C-5I AND C-5M) ENVIRONMENTS ACCORDING TO AS 4312-2019
- WASHER (TOP/BOTTOM) MATERIAL: EPDM RUBBER, THICKNESS AS NOTED

Notes covering basis of DTC (Relevant test reports etc)

THE CAPACITIES SHOWN ON THIS CERTIFICATION ARE BASED ON THE FOLLOWING DOCUMENTATION AND RESULTS OF TESTING CONDUCTED BY:

JCU CYCLONE TESTING STATION

- REPORT NO. TS936_REV A (31/07/2014) - CYCLIC SIMULATED WIND LOAD TESTING OF HYBRID STEEL CYCLONE WASHERS FOR ROOF CLADDING FASTENERS. TESTING CARRIED OUT IN ACCORDANCE WITH LOW/ HIGH/ LOW CYCLIC REGIME, CONSISTENT WITH NCC 2022

Checking Engineer

Name: NEIL CLARKE

Registration Number: 18183ES

Date: 09/04/2026

Signature:

Must be an Australian registered structural engineer

Certifying Engineer

Name: HON YAN WOO

NT Registration Number: 47589ES

Date: 07/04/2026

Signature:

Must be a registered structural engineer in the Northern Territory