



Plate Material: BlueScope ZINCALUME steel, G300, 1.0 mm thick

Coating: Polyester base Aluminium top coat on ZINCALUME

(hot dipped aluminium/zinc/magnesium alloy)

Suitable for Category 5 (C-5I and C-5M) environments according to AS 4312-2008

Washer (top/bottom) material: EPDM rubber, thickness as noted

Cyclic Design capacities-Roof-Lok Cyclonic Plate

Washer/plate	Cladding profile	Cladding thickness(mm)	Supports	Fastener Tek®	Maximum Cladding span(mm)	Max test pressure applied (kPa)	Screw spacing	Recommended cyclonic ultimate strength limit state design wind capacity (kPa)
Roof-Lok	Rib/Pan -5 ribs/Sheet @ 190 cts	0.42	1.5 mm Batten	14-10x65	900/900/900	9.0	Every rib	6.52
Roof-Lok	Corrugated	0.42	1.5 mm batten	14-10x50	900/900/900	9.0	Every 2nd corrugation	6.52

Notes covering basis of DTC (Relevant test reports etc)

Product tested in 2014 for Low/High/Low cyclic testing regime specified in BCA 2013, Test summary sheets

TS936 in Cyclonic Testing station (James Cook University).

Tests summarized in reports TS936 Revision A- dated 31.07.2014

*Checking Engineers Certification

Name: Adam James

Registration Number: 26968ES

Date: 14/09/2020

Signature:

**registered as a structural engineer in Australia

**Certifying Engineers Certification

Name: Neil Clarke

NT Registration number: 18183ES

Date:

Signature:

14.09.2020

**registered as a structural engineer in Northern Territory

Product Name

Roof-Lok cyclone plate washer

Product Description

Roof-Lok cyclone plate washer for

Corrugated and Rib/Pan roofing profiles

Manufacturer's Name

ITW Buildex-600 South Road, Moorabbin, Vic. 3189

PO Box 1154, Moorabbin, Vic. 3189

Design Criteria

1. Plate washer tested to 9.0 kPa

in order to assess the performance of the plate washer and not roof cladding/purlin connections

2. Test regime LHL Cyclic strength

to specification NCC2019

3. Cladding combination also tested to 9 kPa

Limitations

1. Only applicable with 14 gauge Buildex screws

2. Screws pull out capacity separately certified

3. Product can only be used with Buildex screws replacing SquareLok and CorriLok plate washers

4. Where design wind pressure > 6.52 kPa, cladding spans are to be reduced so that washer load remains constant.

5. Purlin / Batten thickness for test = 1.5 mm

Accepted for Inclusion

DTCM ref: M/709

Chairman's Signature:

Chairman's Name:

Date of Approval:

Expiry Date:

18-09-2020 18-09-2025