

METCOM 965



Minimum Pitch: 3 degrees.
 Width: Cover = 965mm Sheet Width = 1065mm
 Applications: Commercial and residential.
 Orientation: Roofs, horizontal and vertical wall cladding.
 Options: Available with or without swages in the pan.
 Manufacturing Location: Hamilton and Christchurch. Available nationwide.

GUIDANCE NOTES

Extract MRM code of practice version 3. 2019

Fastening to every second purlin may be within the roof's load/span range, but will double the load acting on the fastened purlins. All purlins must be fastened to unless alternate purlins are specifically designed to take the additional loads. Please refer to MRM Code of Practice.



Dimensions, cover and sheet widths are all nominal and may vary with manufacturing and installation tolerances. (Image shown with swages in the pan).

FASTENING PATTERNS

Fixing Pattern: HIT EVERY RIB

Fixing into Timber:

Pattern A : 14G screw fixed with minimum 30mm embedment

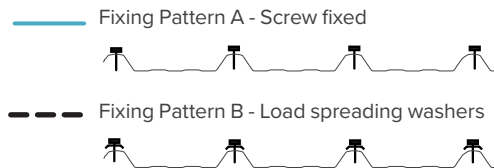
Pattern B : 14G load spreading washers with minimum 30mm embedment

Fixing into Steel:

Pattern A : 14G screw fixed with a fastener penetration of three threads through the steel member*

Pattern B : 14G load spreading washers a fastener penetration of three threads through the steel member*

*For steel less than 1.1mm thick refer Metalcraft.



LOADSPAN TABLES - E2/AS1 ACCEPTABLE SOLUTION:

Metcom 965 roofing and cladding profile complies with the New Zealand Building code and can be used in all wind zones as described in E2/AS1. If an architect or engineer is designing a building in full accordance with E2/AS1 then it is necessary for the design spans and fixings to comply with those of E2/AS1. If the architect or designer wishes to use the spans and fastener patterns as provided by Metalcraft Roofing then please refer and check design capability of structure as per noted in guidance notes.

The figures in the table to the left have been extracted from section 3.16.5 from the NZMRM Code of Practice. These figures are only to be used for buildings designed in accordance with NZS 3604 Specific Engineered Designed projects must determine fully factorised design loads in accordance with AS/NZS1170.

WIND ZONE NZS 3604	SLS DESIGN LOAD (kPa)
Extra High	2.09
Very High	1.72
High	1.32
Medium	0.93
Low	0.6

SPANS FOR AS/NZS 1170

The intermediate spans shown in the graphs below are based on G550 Steel as the base metal.

These results have been depreciated by Table B1 of AS/NZS 1170.1

To calculate end spans please multiply the intermediate span calculated by 0.66.

For alternative metals please contact your local Metalcraft branch.

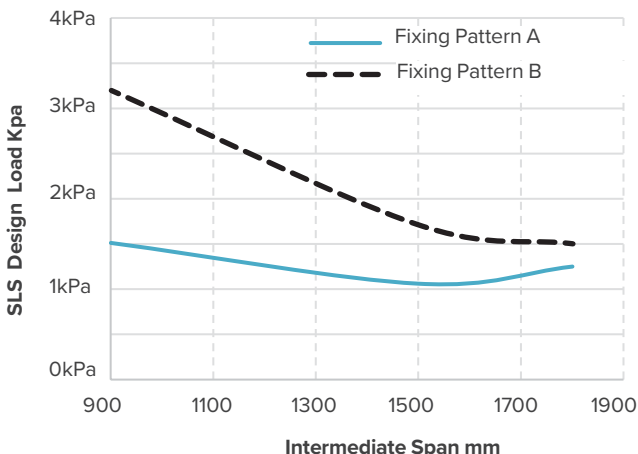
METCOM 965 0.40MM BMT G550 STEEL

Point load testing in accordance with AS 4040.1 and the NZMRM COP.

1.3kN in pan (serviceability load) and 2.41kN (strength load).

Unrestricted Access: N/A

Restricted Access: 1.8m



METCOM 965 0.55MM BMT G550 STEEL

Point load testing in accordance with AS 4040.1 and the NZMRM COP.

1.3kN in pan (serviceability load) and 2.41kN (strength load).

Unrestricted Access: N/A

Restricted Access: 1.8m

