

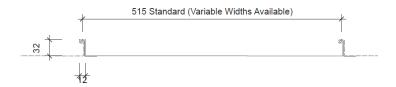
Product Information Sheet

Profold Limited

Product Name

Traditional Standing Seam (Angle Seam)

Profile Drawing



Description

Traditional Standing Seam (Angle Seam) follows the proven detailing and dimensions utilised in Europe for many years. With secret fixing to the panels and often the flashings, giving very clean lines.

Angle seam roofs can show potential undulations (canning) in the wide flat pan which are not only to be expected, but are an architectural feature of fully supported cladding. Zinc and Prefa products are less reflective and can show less canning.

Angle Seam typically has a pan width of 250 to 515mm, but custom sizes can be supplied within this range.

Scope of use

Roofing and wall cladding, mansards, ceilings, fences and decorative screens

Materials

ColorSteel, ColorCote in 0.55mm thickness (BMT), grade G300

Alternative materials: Prefa Prefalz, ColorSteel Altimate® and VM Zinc, BMT 0.7 – 0.9mm

Compliance

If designed, used, installed and maintained in accordance with manufacturer's recommendations and the NZ Metal Roofing and Wall Cladding Code of Practice, the product will meet or contribute to meeting the following performance clauses of the NZBC.

B1-Structure

15.4.8A Generic Tray Roofing Clip Spacing

Rib Height	Max Pan Width	NZS 3604 Wind Zone			
			High	Very High	Extra High
25 mm	300 mm	500 mm	500 mm	500 mm	500 mm
	400 mm	500 mm	500 mm	500 mm	500 mm
	500 mm	400 mm	400 mm	400 mm	N/A
32 mm	300 mm	600 mm	600 mm	600 mm	600 mm
	400 mm	600 mm	600 mm	600 mm	600 mm
	520 mm	600 mm	600 mm	600 mm	400 mm
38 mm	300 mm	600 mm	600 mm	600 mm	600 mm
	400 mm	600 mm	600 mm	600 mm	600 mm
	500 mm	600 mm	600 mm	600 mm	400 mm

Angle Seam is required to be fully supported by minimum 17mm structural plywood. Angle seam is fixed to the plywood substrate using specialised stainless steel clips from Profold. Clips are fixed with stainless steel ring shank 25mm nails. A separation between the plywood substrate and Angle Seam cladding is required, with an additional layer of drainage mat or similar is dependent on design. Thought should be given by the designer to adequate ventilation of the structure.

B2-Durability

Angle Seam meets the durability requirements of NZBC B2 in exposure Zones B, C, D, and E in accordance with Table 20 of E2/AS1.

E2-External Moisture

Clauses E2.3.2, E 2.3.2, E2.3.5, E2.3.7

Installation details Complying with Acceptable Solution E2/AS1, or with the principles of the NZMRM Metal Roofing Code of Practice, will meet the performance requirements of NZBC E2

E3 Internal Moisture

IGSS25 can be designed to allow passive ventilation through the verge flashings when required by the design engineer. Sarking must be designed and installed to allow adequate ventilation of the ceiling space.

Angle Seam also complies with, or will contribute to compliance with, the following compliance clauses of the NZ Building Code

F Hazardous Building Materials

Clause F2.3.1

Water Supplies

G12.3.1

Effective: August 2023 Rev 1