

# ONE-PIECE RIDGE INSTALLATION GUIDE

Briarwood manufacture one piece close fitting ridges (also known as cranked crown ridges) which are designed to seamlessly overlap and cover the apex of any roofing structure.

Our close fitting and ventilated one piece ridges are manufactured in pitches of 5° to 22.5° in 2.5° increments. Not only do we make them in a variety of different degrees, but we also offer 3 different girth lengths consisting of 750, 900 and 1800 mm.

When laying down these ridges, you must ensure that both the ridges and the sheets on either slope align correctly and sealed appropriately to create a watertight and weathertight seal.

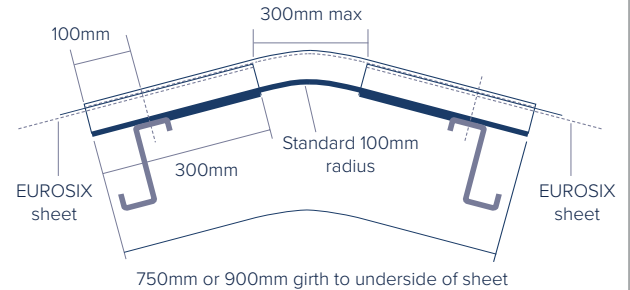
It is essential that the ridge and the top sheets are mitred. Fix the ridge in exactly the same way as the sheets, and ensure the fasteners are a minimum of 100 mm from the tail end of the ridge.

When placing our ventilated ridges, there must always be one close fitting ridge on the start of the ridge line and one close fitting ridge on the end of the ridgeline.

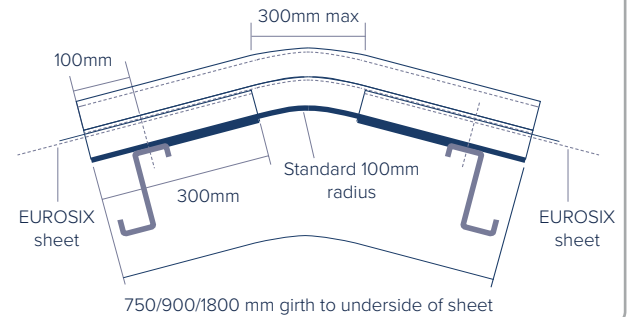
## PITCH HELPER

CLOSE FITTING RIDGE PITCH	ROOF PITCHES	
	FROM	FROM
5°	5°	5.75°
7.5°	6°	8.25°
10°	8.5°	10.75°
12.5°	11°	13.25°
15°	13.5°	15.75°
17.5°	16°	18.25°
20°	18.5°	20.75°
22.5°	21°	23.25°

**Fig.1 Closed Ridge Fixings**



**Fig.2 Ventilating Ridge Fixings**



Each ventilated close fitting cranked crown ridge provides a free air space of approximately 68,360mm<sup>2</sup>.

## STOCKED RIDGE DEGREES

GIRTH (mm)	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°
750 mm	✗	✗	✗	✓	✓	✗	✗	✗
900 mm	✓	✓	✓	✓	✓	✓	✓	✓
1800 mm	✗	✗	✓	✓	✓	✓	✗	✓

## PURLIN SETTING OUT

All 750 mm and 900 mm cranked ridges (both closed and ventilated) must overlap the EURO-SIX sheet by 300 mm (this creates a non fragile ridge detail).

If the sheets have to be laid with 300 mm laps because of the exposure rating, use the smaller dimension,

For anyone using a EURO-SIX ridge with a 750 mm girth on roofs with a pitch of 12.5° or 15°, a 300 mm overlap will encroach on the curved part of the ridge, this is correct. However to ensure no damage occurs, use 8 mm butyl strips as a spacer between the ridge and the sheet.

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