

Profiled Sheetting Crank Crown & Vent Installation Data Sheet

TECHNICAL
NOTE

Et-03/01/en/v1

Cranked crown ridges and vents are available in girths of 750mm and 900mm and pitches of 5° to 22½° in 2½° increments, allowing use on roof pitches from 5° to 23¼° (see table to the left).

Cranked crown sheet pitch	Roof pitches	
	from	to
5°	5°	5 ¾°
7 ½°	6°	8 ¼°
10°	8 ½°	10 ¾°
12 ½°	11°	13 ¾°
15°	13 ½°	15 ¾°
17 ½°	16°	18 ¾°
20°	18 ½°	20 ¾°
22 ½°	21°	23 ¾°

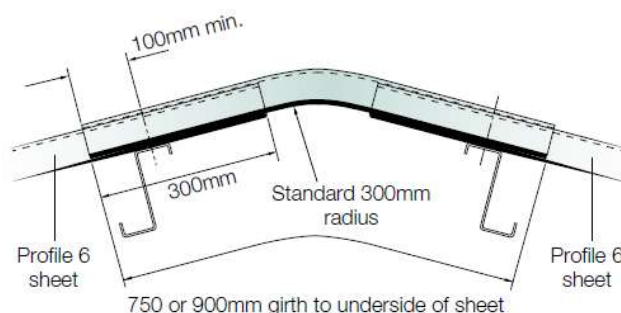


Fig.1 – Cranked crown fixings

It is essential that both slopes of the roof are sheeted commencing at the same gable end and the corrugations are accurately aligned. Both the cranks and the top sheets must be mitred. The cranks are fixed in the same way as the sheets, with the fasteners being a minimum of 100mm up from the tail end of the ridge where the exposure rating requires 150mm end laps for the sheeting or 250mm up where the exposure rating requires 300mm end laps.

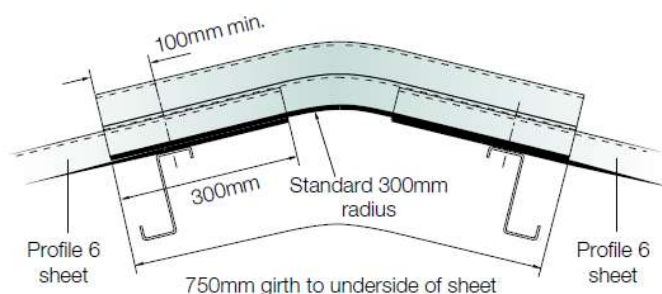


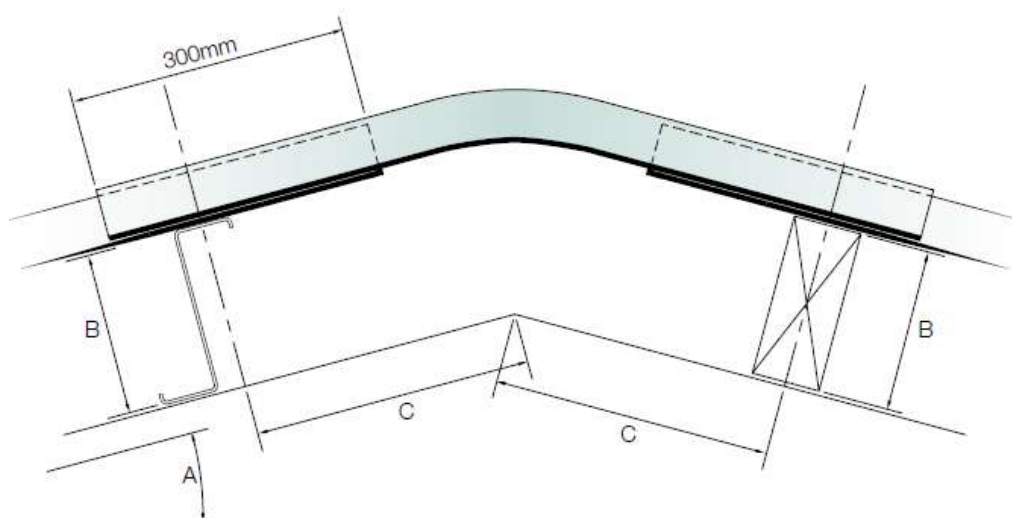
Fig.2 – Ventilating cranked crown fixings

Purlin setting out

To form a non-fragile detail, 900mm cranked crowns and 750mm cranked crowns and vents must lap onto the sheets by 300mm. The tables right give the setting out details of the purlins for a range of purlin sizes.

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

When 750mm girth ridges are used on roof pitches of 15° to 22½°, the 300mm overlap encroaches on the curved part of the ridge. To avoid damage, 8mm butyl strip should be used as a spacer between the ridge and the sheet.



Dimension C for 900mm cranked crowns

Pitch A	Purlin Depth B			
	B = 75	B = 125	B = 175	B = 225
5°	193	189	185	181
7½°	191	184	177	171
10°	187-337	178-328	170-320	161-311
12½°	184-334	173-323	162-312	151-301
15°	182-332	168-318	155-305	142-292
17½°	179-329	164-314	148-298	132-282
22½°	175-325	155-305	134-284	113-263

Dimension C for 750mm cranked crowns and cranked vents

Pitch A	Purlin Depth B			
	B = 75	B = 125	B = 175	B = 225
5°	118	114	110	106
7½°	116	109	102	96
10°	112-262	103-253	95-245	86-236
12½°	109-259	98-248	87-237	76-226
15°	107-257	93-243	80-230	67-217
17½°	104-254	89-239	73-223	57-207
22½°	100-250	80-230	59-209	38-188

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