

Composite Panel Bow Measurement Guidance

The bowing of the panel is a measure of the displacement between the surface of the panel and the straight line connecting the two ends.

The maximum displacement between the rigid ruler/spirit measure and the panel surface shall be measured using a rigid ruler/tape measure.

Tools required

1 meter rigid ruler or 1 meter spirit level

30cm rigid ruler or a tape measure

Tolerances

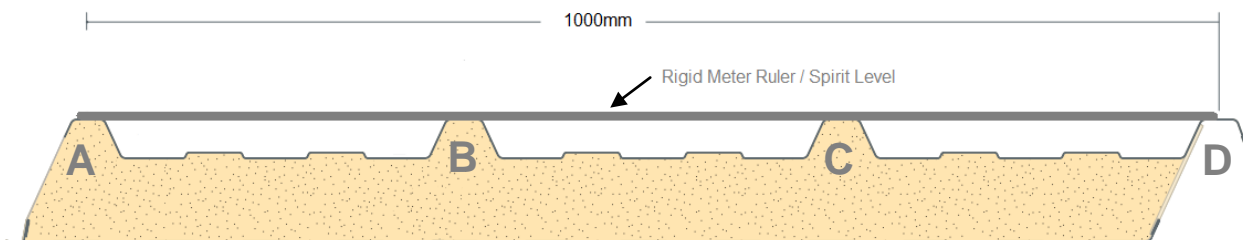
Area of measurement	Steadmans Tolerance	BS EN 14509:2013 Tolerance
Point B	8mm	8.9mm
Point C	8mm	8.9mm
Centre point of panel	10mm	10mm

Step by Step Measurement Guidance

1. Lay the composite panel on a flat surface with the profiled side facing upwards.
2. Place the spirit level/rigid ruler (minimum of 1 meter) across the top of the profiled panel ensuring it reaches from point A to point D with no bending.
3. Using the 30cm ruler or tape measure, measure the distance between the top of the peak of points B or C to the underside of the 1 meter measure.

If the measurement is required as part of a concern/complaint you must ensure that photographs are provided and are clear showing the bow present.

Drawings



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