

Glulam camber

For long straight members, glulam is usually manufactured with a built in camber to ensure positive drainage by negating deflection. This ability to provide positive camber is a major advantage of glulam. Recommended cambers are shown in Table 5 below.

Table 5: Camber Recommendations for Glulam Roof Beams	
Type of Structure	Recommendation
Simple Glulam Roof Beams	Camber equal to deflection due to dead load plus half of live load or 30 mm per 10 m (1" per 30') of span; where ponding may occur, additional camber is usually provided for roof drainage.
Simple Glulam Floor Beams	Camber equal to dead load plus one quarter live load deflection or no camber.
Bowstring and Pitched Trusses	Only the bottom chord is cambered. For a continuous glulam bottom chord; camber in bottom chord equal to 20 mm per 10 m (3/4" in 30') of span.
Flat Roof Trusses (Howe and Pratt Roof Trusses)	Camber in top and bottom glulam chords equal to 30 mm per 10 m (1" in 30') of span.