

Ecoply® Roofing Spans

25th June 2009

The following are suggested maximum frame spacings for Ecoply® Plywood when used in roofing sheathing applications such as Asphalt Shingle and Membrane type roofs where the plywood face grain is laid across framing supports.



INFORMATION BULLETIN

The current span table in Table 11 of the Ecoply Structural Plywood Properties and Application Manual- March 2009 includes maximum frame spacing suggestions for Ecoply when used in roofing sheathing applications for all wind zones specified in NZS3604: Timber Framed Buildings.

The below span table is supplementary to the framing spans quoted in applications 2-4B of Table 11 and is broken into maximum wind zone as specified by NZS3604

Application	Roof Pitch	Plywood Stress Grade	Maximum Wind Zone	Maximum frame centres (mm) for Ecoply with face grain across framing		
				Ecoply Thickness		
				12mm	15mm	17mm
Sheathing, non trafficable roof for all roof pitches above 1.5 degrees.	>1.5°	F8	Very High	540	600	-
	>1.5°	F11	High	-	900	-
Suitable for roofing mass up to 30kg/ m ² (addition al to plywood weight or 40kg/ m ² including the plywood)	>1.5°	F11	Very High	--	800	900
	>20°	F11	Very High	-	900	-

The above suggested maximum framing spans are based on the following deflections criteria:

- Under a short term 1kN point load, deflection is less than Span/130
- Under a long term self weight load, deflection is less than Span/400.
- Under a short term wind gust load, deflection is less than Span/150.

The information contained in this Bulletin relates to specific Ecoply branded plywood products manufactured and tested by Carter Holt Harvey® Woodproducts. The above information cannot be relied upon when using other plywood products however similar they appear.