

TESTING REPORTS



OzLVL - F17 Larch LVL Structural Properties Summary (Part 1)

4pt Bending Tests	E (GPa)	Rb (MPa)	Resultant Grade (F-Grade)
(on Edge) 90mmx45mm	15.15	72.4	>F17
(on Flat) 45mmx90mm	15.09	67.3	>F17
Double Span Beam Shear on Edge 90mmx45mm		Rs (MPa)	
		9.6	>F34
Compression Strength llal to Face Veneers 45mmx90mm		Rc (MPa)	
		49.66	>F22
Single Span Beam Shear on Flat 45mm x 90mm		Rc (MPa)	
Inter-Laminar Shear		3.79	>F17
Density	@ 12%	733	
(kg/m3)	@ Test	736	
Fastener Lateral Load Tests	Lateral Basic Working Load (N)	Characteristic Lateral Load (N)	Joint Group (JD)
3.75mm Q Plain Shank Flat Head Nail - Face	667	1968	JD2
3.75mm Q Plain Shank Flat Head Nail - Edge	478	1410	JD4
3.8mm Q Type 17 Tech Screw - Face	846	2496	JD2
3.8mm Q Type 17 Tech Screw - Edge	635	1873	JD3
M12 Bolt - Parallel	10032	36617	JD1
M12 Bolt - Perpendicular	6524	23813	JD1
Bearing Perpendicular to Grain		Fp (MPa)	
on Edge		14.37	
Bearing Perpendicular to Grain		Fp (MPa)	
on Flat		5.48	

OzLVL - F17 Larch LVL Structural Properties Summary (Part 2)

Fastener Withdrawal Load Tests	Withdrawal Basic Working Load (N/mm)	Characteristic	Joint Group (JD)
3.75mm Q Plain Shank Flat Head Nail - Face	7.8	13.3	JD4
3.75mm Q Plain Shank Flat Head Nail - Edge	4.5	7.7	JD6
3.8mm Q Type 17 Tech Screw - Face	45	76	JD3
3.8mm Q Type 17 Tech Screw - Edge	47	80	JD3
Glue Bond Durability	Minimum Individual Score	Minimum Average Score	Overall Result
Larch LVL Score	2	5.9	PASS
A Bond Quality Requirement	2	5	
Joints in Veneers		Average Score	Overall Result
Scarf Joint Bond Quality Score	6	8.4	PASS
Scarf Joint Bond Quality Requirement	5	5	
Formaldehyde Emissions - E0 (mg/L)		0.5	PASS
Maximum Sample Emissions in Test Batch		0.05	

