

Structural Analysis & Test Report

Modulus of Elasticity in Bending and Bending Strength Test

AS/NZS 4266.5:2004 Modulus of elasticity and bending strength
AS/NZS 4266.1:2017 Reconstituted wood-based panels - Methods of testing

Accredited High Precision Test Equipment

MTS Exceed Model 45.105 - 100kN Universal Testing Machine S/N: 05300720

Testing Laboratory

Structures Laboratory, CQ University Australia, 554–700 Yaamba Road, Norman Gardens 4701

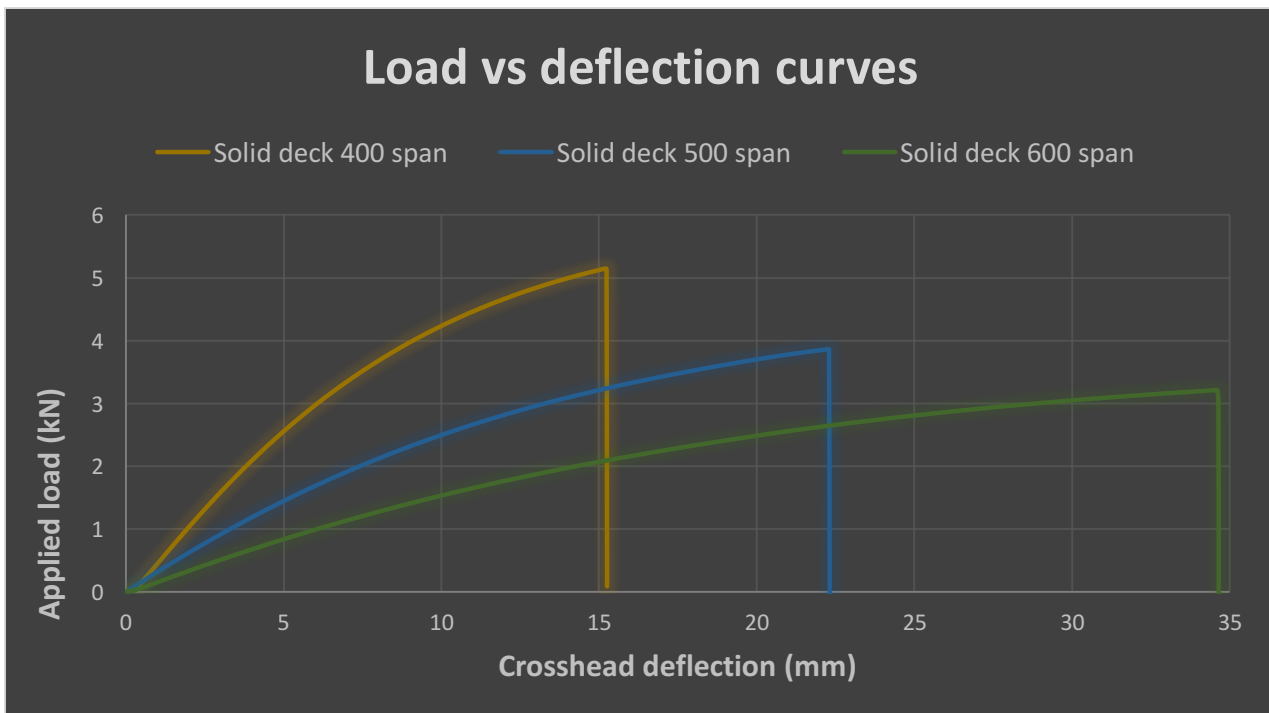
TEST RESULTS

Specimen Identification: COEN Composite Wood – Solid Decking

Width of test piece (mm) : 90.0	Test date : 29/08/2018
Thickness of test piece (mm) : 50.0	Span (mm) : 400,500, 600
Displacement rate (mm/m) : 20.0	Maximum load (N) : 5142, 3860, 3210

Modulus of Elasticity (E_m) : 3324, 3558, 3606 MPa

Modulus of Rupture (f_m) : 33.7, 32.7, 32.9 MPa



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