

# 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

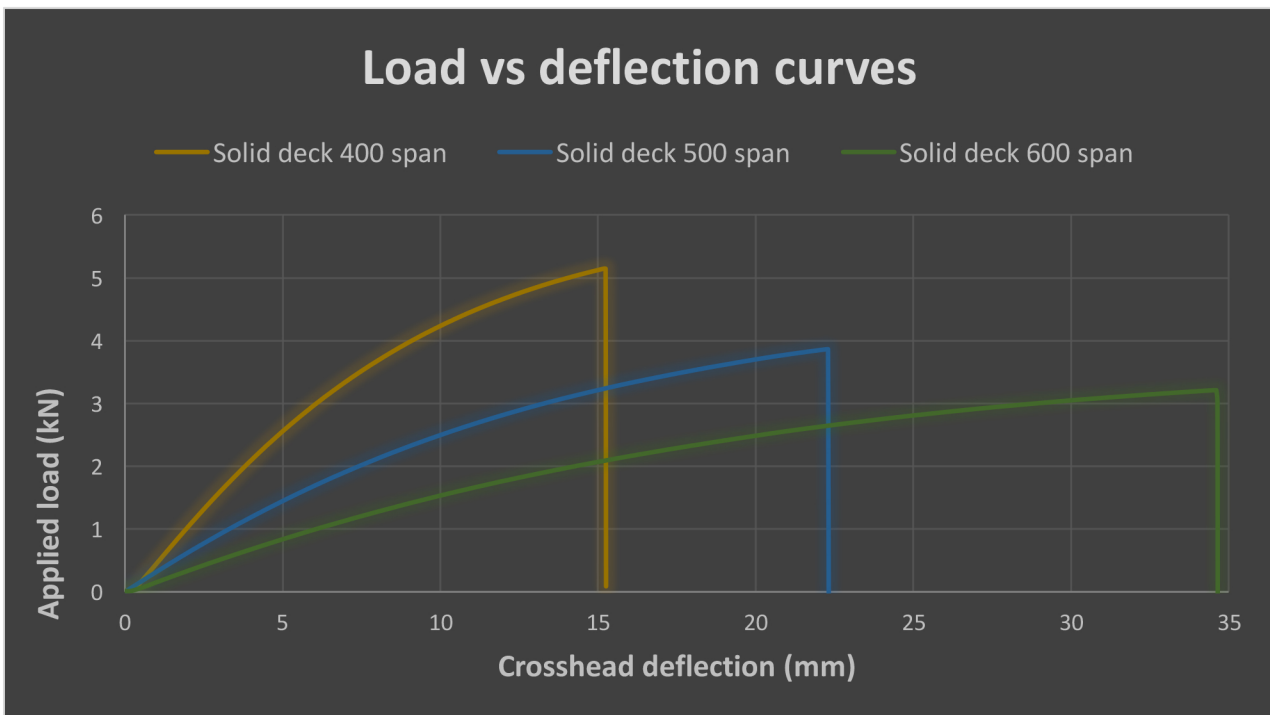
## TEST RESULTS

**Specimen Identification:** COEN Composite Wood – Solid Decking

<b>Width of test piece (mm)</b> : 140	<b>Test date</b> : 29/08/2018
<b>Thickness of test piece (mm)</b> : 25	<b>Span (mm)</b> : 400,500, 600
<b>Displacement rate (mm/m)</b> : 20.0	<b>Maximum load (N)</b> : 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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