



TEST REPORT

No. : TJIN1703002688ML

Date : Mar 17, 2017

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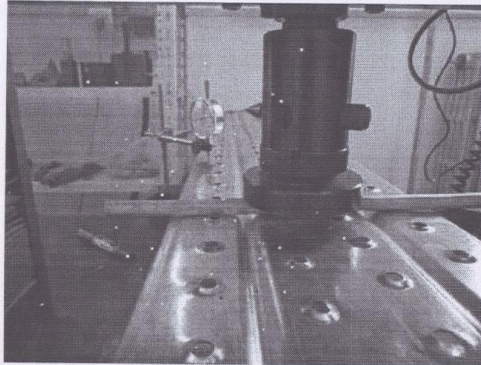
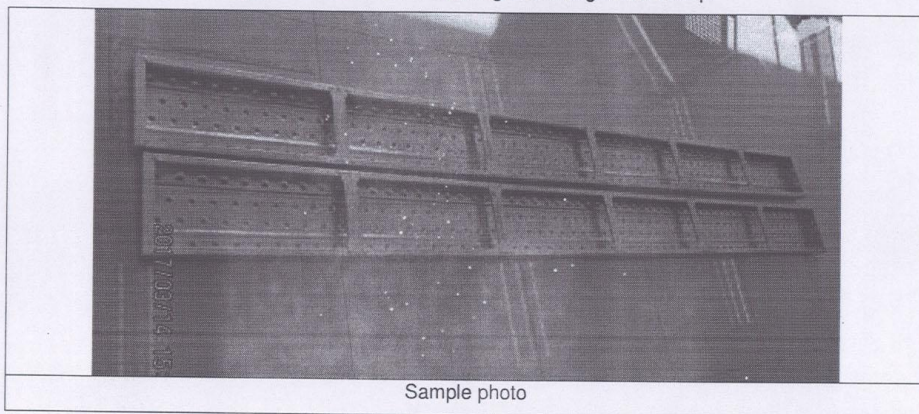


Figure 2 General view showing the strength test set-up



Sample photo

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1. STIFFNESS TEST

Preparation for and performance of the stiffness test on the scaffold plank was done in accordance with Appendix A of AS 1577-2013

Loading was centred through a 100 × 100 × 6mm thick pad of natural rubber (60 durometer hardness), with an 8mm Steel Plate Backing, which was located midspan on the plank and positioned so as to orientate the centre of the pad 50mm in from the edge of the plank under test, see figure 1. Deflection measurements were taken at all times using a dial indicator gauge graduated in 0.01mm divisions. Measurements were taken between a datum point on the top surface of the plank at the centre loading. Parameters of the stiffness test:

Nominal plank width(b)	240mm
Maximum Plank span(s)	1500mm
Test force(as per AS1577-2013)	1.2kN
Deflection Limit for compliance(s/100)	15.00mm

Test Results:

Plank Number	Deflection(mm) under test load	Maximum allowable deflection (mm)	Result
1-1	7.76	15.00	Complies

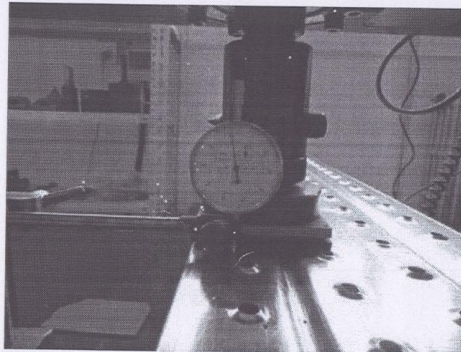


Figure 1 General view showing the setup of the stiffness test



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2. STRENGTH TEST

Preparation for and performance of the strength test on the scaffold plank was done in accordance with Appendix B of AS1557-2013.

Locate the loading device centrally on the decking component such that the load is applied as either a uniformly distribute load over the line loads applied at L/12 either side of midspan. Apply a pre-load of 100N for 1min through the loading device. Measure and record the distance from a fixed datum point to the middle of the decking component(1).Increase the load gradually at an seven rate to twice the working load limit (WLL)and retain for 5min.Inspect the decking component under loading for signs of distress. Reduce the test loading to the pre-loading of 100N,and measure and record the distance from a fixed datum point to the middle of the decking component. The difference between this distance and the distance measured in paragraph (1) shall be recorded as permanent deformation

Nominal plank width(b)	240mm
Maximum Plank span(s)	1500mm
Test load Ft(2×WLL)	3.52kN
Permanent deflection limit for compliance(s/300)	5.0mm
Minimum failure load for compliance(2.2×WLL)	3.87kN

Test Results:

Plank Number	permanent deformation (mm) Under test load	Maximum allowable deflection(mm)	Result
1-2	0.80	5.00	Complies

Plank Number	Failure Load (kN)	Minimum Required(kN)	Result
1-2	5.47	3.87	Complies



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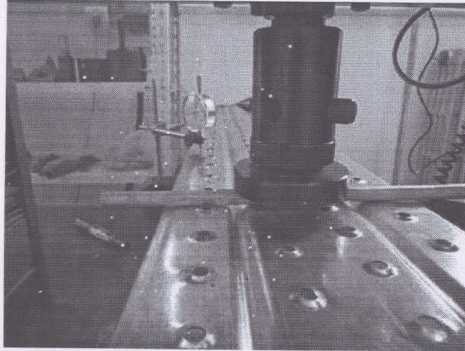
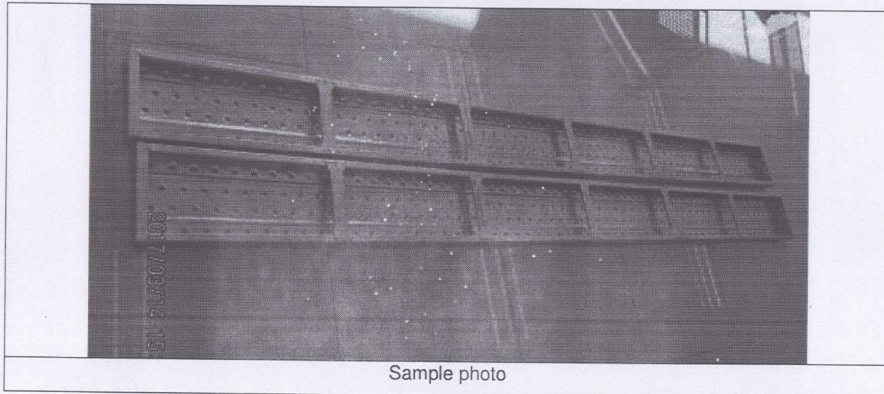


Figure 2 General view showing the strength test set-up



Sample photo

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Permanent deflection limit for compliance(s/300)	5.0mm
Minimum failure load for compliance(2.2×WLL)	3.87kN

Test Results:

Plank Number	permanent deformation (mm) Under test load	Maximum allowable deflection(mm)	Result
1-2	0.80	5.00	Complies

Plank Number	Failure Load (kN)	Minimum Required(kN)	Result
1-2	5.47	3.87	Complies



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