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REPORT

Report No. MTS-29634 -1 LOCKJ
Reference No. LMATS18-0859

Report Date : 9th July 2018
Test Date : 29 June 2018

To : **Lock Joint Australia**
Unit 2, 40 Ledger Rd
Balcatta WA 6021

Testing of the Lock Joint LJ100 PVC Concrete Paving Joint

1 Introduction

A visit was made to the premises of Lock Joint Australia in Balcatta WA to assess the performance of the Lock Joint LJ100 PVC Concrete Paving Joint.

A specially prepared pavement of 7.5 m nominal length had been constructed on a steel-framed test bed. The pavement consisted of two (2) only Lock Joint LJ100 and two (2) only Lock Joint PLJ100 joints, dividing it into five sections of 1.5 m length, 1.5 m width x 100 mm depth.

Note: This report covers the "uplift" performance of one (1) only of the LJ100 Joints.

2 Examination and Testing

In accordance with the client's instructions, the LJ100 Joint was subjected to vertical displacement ("uplift") through the range 0 to 120 mm. Measurement of the "cross-joint surface differential" of the adjoining pavement sections was logged using computerised data acquisition.

3 Summary

The results of the performance assessment showed that the joint had a maximum cross-joint surface differential of 1.4 mm at 120 mm uplift displacement and at 197 mm uplift the differential was <5 mm. There was no evidence of cracking or failure of the concrete at or adjacent to the joint.

Full details of the tests and results are contained in the following pages.



Johann Petrick
Laboratory Manager