

COMMENTARY TO AG:PT/T533 - CALIBRATION OF BITUMEN SPRAYERS PART 3: TRANSVERSE DISTRIBUTION BY RTA FIELD METHOD

PREFACE

This test method was prepared by Working Group 3, Sprayer Calibrations Working Group, of the Seal Design Project Group on behalf of Austroads. Representatives of Austroads, ARRB Group and Industry through the Australian Asphalt Pavement Association (AAPA), and the National Association of Testing Authorities (NATA) have been involved in the development and review of this test method.

SCOPE

The procedure described in this test method follows the path detailed in RTA 1999. The method has been developed to provide sprayer operators with a procedure for determining the transverse distribution characteristics of sprayers in the field.

Further Development

There are no further plans for the development of this test method.

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1 REFERENCED DOCUMENTS

The following documents are referred to in this method:

AS/NZS

2341 Methods of testing bitumen and related road making products

AUSTROADS

Bitumen Sealing Safety Guide 1996

COPLEY ENTERPRISES

Spraying nozzles

NAASRA

Review of Sprayed Seal Design 1988

RTA NSW

1260 Performance Requirements for Mechanical Sprayers of Bituminous
Materials

2 PROCEDURES

The test method is provided in RTA NSW 1260, Performance Requirements for Mechanical Sprayers of Bituminous Materials.

For the purpose of this method, the minimum number of bar widths to be tested shall include the maximum width for which certification is required and the bar width corresponding to a single lane.

3 INFORMATION TO BE REPORTED

Where the measure of transverse distribution does not provide quantitative data, the report shall indicate pass or fail.

Suggested tolerance levels are:

- The level in any one container shall not exceed 20% of the average output of all troughs.
- The level for two in any consecutive ten containers shall not exceed 15% of the average
- The level for four in any consecutive seven containers shall not exceed 10% of the average.

4 PRECISION

No estimate of precision is currently available.

AMENDMENT RECORD

Amendment No.	Clauses amended	Action	Date
1	Commentary Page	New	June 2005
	Footer and header	Format	
	Applied revised test method number	Format	
	Applied new styles	Format	

Key

Format	Change in format
Substitution	Old clause removed and replaced with new clause
New	Insertion of new clause
Removed	Old clauses removed