

# **COMMENTARY TO AG:PT/T534 - CALIBRATION OF BITUMEN SPRAYERS PART 4: TRANSVERSE DISTRIBUTION BY BCA 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 BCA T/1 – T/4. 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.

# **CALIBRATION OF BITUMEN SPRAYERS PART 4: TRANSVERSE DISTRIBUTION BY BCA FIELD METHOD**

## **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

Bitumen Sprayers 1989

### **BCA New Zealand**

BCA T/1 - T/4 Test Methods for Bitumen Sprayers

## **2 PROCEDURES**

The test method is provided in BCA T/1 – T/4, Test Methods for Bitumen Sprayers.

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