

# **COMMENTARY TO AG:PT/T221 – SAMPLING OF BITUMINOUS SLURRY**

## **PREFACE**

This bituminous slurry surfacing test method was prepared by Working Group 1, Bituminous Slurry Surfacing, of the Bitumen Emulsions and Foamed Bitumen Project Group on behalf of Austroads. Representatives of Austroads, ARRB Group and the Australian Asphalt Pavement Association have been involved in the development and review of this test method.

## **SCOPE**

This standard specifies the method for sampling bituminous slurry from the slurry paving unit at the paving site.

## **Further Development**

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

# SAMPLING OF BITUMINOUS SLURRY

## 1 APPARATUS

The following apparatus is required.

- a. Metal sampling ladle of 1.5 kg minimum capacity.
- b. Sample container - plastic container with closely fitting water tight lid and of sufficient capacity to contain 1 kg of sample.

Note: Rectangular take-away food dishes of approximate dimensions 155 mm x 105 mm x 40 mm have proven suitable for collection of one kilogram samples of bituminous slurry.

## 2 SAMPLING

- a. Sampling Frequency - Samples shall be taken near the start of a run, at the middle and towards the end of the run so that a minimum of three 1 kg samples are collected during the run.
- b. Sampling Procedure - The procedure for obtaining a sample from a slurry paving unit shall be as follows:
  - i. Using a clean ladle, remove a representative sample from the outflow of the pugmill to the spreader box and immediately pour into the sample container.
  - ii. Allow to stand until setting has occurred. Residual water may be decanted, however, care must be taken to ensure that no binder or aggregate is lost. The sample container is then sealed with the lid.
  - iii. Identify container as per section 4.

## 3 IDENTIFICATION OF SAMPLE

### 3.1 Records

The following information shall be recorded for each sample, as appropriate:

- a. Identification mark
- b. Date of sampling
- c. Type of mix and nominal size.
- d. Location of pavement site
- e. Manufacturer's name
- f. Sampling procedure used
- g. Name of sampling operator and his affiliation
- h. Purpose of sample

### **3.2 Labelling**

Each container shall be provided with a label which clearly shows the following information, as appropriate.

- a. Address to which the sample is to be despatched
- b. Sample identification mark
- c. Number of containers in which sample is packed
- d. Sampling time (i.e. start, middle or end of run)
- e. Type of mix
- f. Name and affiliation of person submitting samples

Note: Sample labels should be attached to the container and not the lid as the lid may be lost or swapped.

## **4 INFORMATION TO BE REPORTED**

- a. Mix identification
- b. Reference to this method, i.e. AG:PT/T221.

## 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	
2	Removed additional section 3	Removed	May 2007

### Key

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