Transport Roads & Maritime Services

NSW GOVERNMENT

Test method T1208

Measurement of rate application of spherical glass beads

NOVEMBER 2012

Revision Summary

Ed/Rev Number	Clause Number	Description of Revision	Authorisation	Date
		Reformatted and Revision Summary Added	D.Dash	June 2001
Ed 2/ Rev 0	All	Reformatted RMS template	J Friedrich	November 2012

Note that Roads and Maritime Services is hereafter referred to as 'RMS'.

The most recent revision to Test method T1208 (other than minor editorial changes) are indicated by a vertical line in the margin as shown here.

Test method T1208

Measurement of rate application of spherical glass beads

1. Scope

This test gives a method for field measurement of the rate of application of spherical glass beads on to wet paint or thermoplastic surfaces.

2. Apparatus

(a) Plastic bag or tray of at least 2 litre capacity.

(b) Plastic measuring cylinder of 500mL capacity.

3. Procedure

(a) Turn off the paint or thermoplastic supply valves and operate the glass bead dispenser for exactly 10 seconds allowing glass beads to run into a plastic bag or tray.

(b) Pour the glass beads from the bag or tray into a suitable measuring cylinder calibrated in millilitres to measure the volume of glass beads collected. Level but do not compact the glass beads in the cylinder.

(c) Record the volume of glass beads collected.

4. Calculations

Figures 1 shows the correct volumes of glass beads required to give a net application rates on the marked line of approximately0.30 kilograms per square metre for different line widths and road speeds. The glass bead volume figures given in Figure 1 are calculated for an actual application rate of 0.34 kilograms per square metre. These figures are used for calibrating the machine because there is a loss of beads between the bead dispenser and the marked line and the volume is measured with beads not compacted.

5. Reporting

Report the volume of beads collected over a ten second period.

FIGURE 1

SPECIFIED VOLUME OF GLASS BEADS