

TEST METHOD T841

FIELD MEASUREMENT OF FILM THICKNESS OF ROAD MARKING PAINT

REVISION SUMMARY

Date	Clause Number	Description of Revision	Authorised By Gen Mgr Pavements
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TEST METHOD T841

FIELD MEASUREMENT OF FILM THICKNESS OF ROAD MARKING PAINT

1. Scope

- (a) The following procedure is used to measure the wet film thickness (WFT) of paint which has been applied by vehicle mounted spray equipment. Dry film thickness may be calculated from the wet film thickness measurement.

Note 1: The comb gauge may be used for measuring the wet film thickness of paint films applied by other methods.

Note 2: Dry film thickness may be determined by multiplying the comb gauge reading by the percentage volume solids of the applied paint.

2. Equipment

- (a) Wet film thickness comb gauge with measuring range 50 to 800 µm
(b) Metal test panel 100 mm x 200 mm (approx).

3. Procedure

- (a) Place the test panel in the path of the paint application equipment.
(b) Record the speed of the linemarking equipment as it applies paint to the test panel.
(c) Immediately after the paint film has been applied, carefully place the comb gauge vertically into the wet film on the metal test panel.
(d) Hold the gauge firmly for between two and three seconds in the wet film and then withdraw the gauge vertically.
(e) Determine which of the prongs have been covered with paint.
(f) The wet film thickness is read from the highest value prong covered by paint adjacent to the next highest prong which is clean.
(g) Quickly repeat the measurement at a second location on the panel.

4. Reporting

- (a) Report the average wet film thickness in microns or, if required, the dry film thickness

$$\left(\text{Dry Film Thickness} = \frac{WFT \times \text{PaintPercentVolumeSolids}}{100} \right)$$

- (b) Record the speed of the application equipment.
(c) Record the brand and model number of the gauge used.