



Transport
Roads & Maritime
Services

Test method T1194

Loop sealant encapsulation test

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

The most recent revision to Test method T1194 (other than minor editorial changes) are indicated by a vertical line in the margin as shown here.

Test method T1194

Loop sealant encapsulation test

1. Scope

The purpose of this test is to determine how well a loop sealant will encapsulate detector loop cables when it is poured into the slot under gravity.

2. Apparatus

- (a) Encapsulation mould as detailed in fig. 1.
- (b) Detector loop cables which can be cut into 100 mm lengths.

3. Procedure

- (a) Clamp the mould together after coating the inner surfaces with an appropriate mould release agent advised by the supplier.
- (b) Place four pieces of loop cable 100 mm long one above the other in the mould.
- (c) Prepare the sealant according to the manufacturer's instructions.
- (d) Pour in the sealant to completely fill the mould.
- (e) After the required curing period, dismantle the mould and examine the sealant for voids around the wire or at the bottom of the slot.
- (f) Examine the insulation of the induction cables for any evidence of softening, cracking or any adverse physical or chemical action by the sealant.

4. Reporting

- (a) Record the length and width of any voids.
- (b) Describe any adverse effects on the cables.

ENCAPSULATION TEST

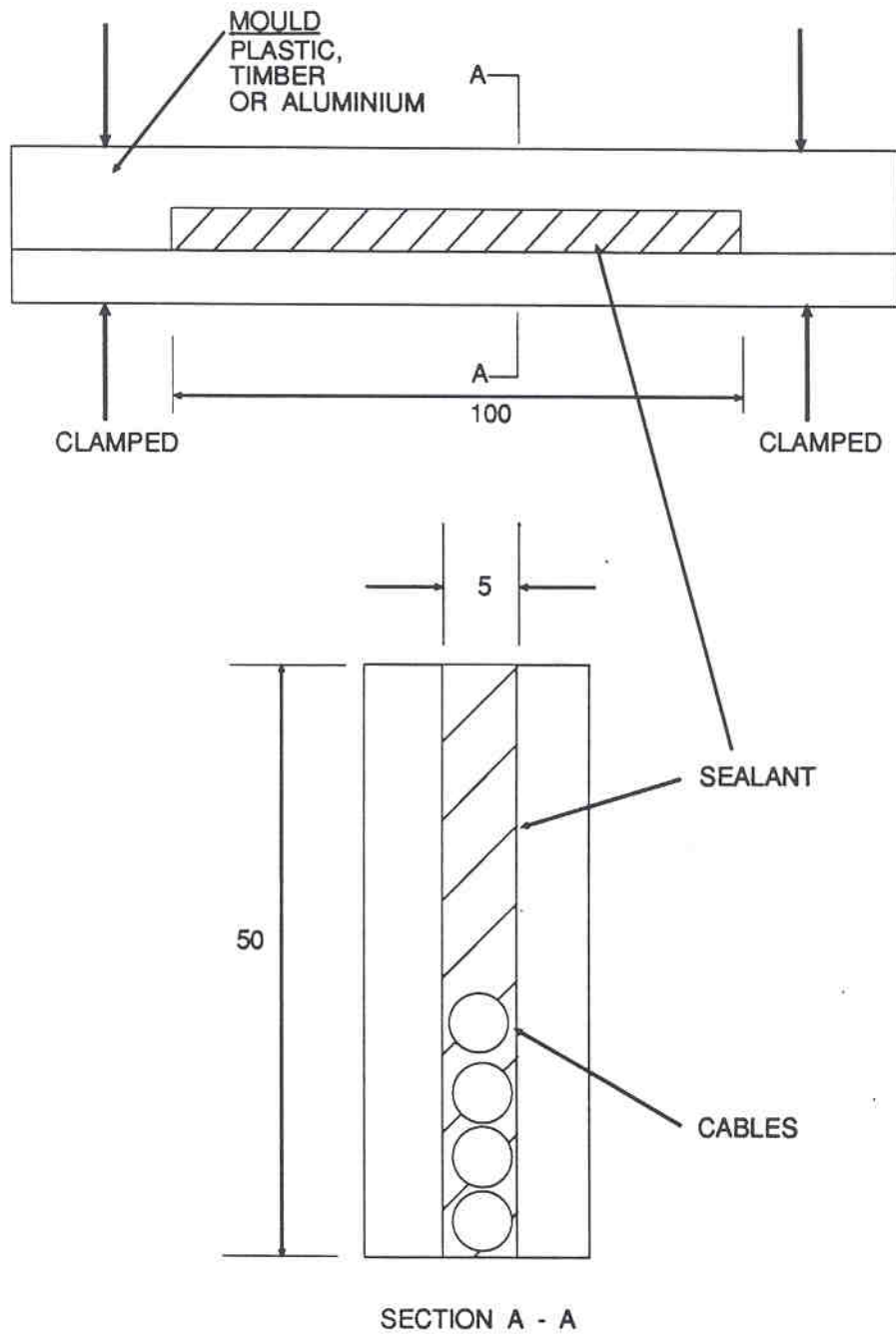


FIGURE 1