



Transport
Roads & Maritime
Services

Test method T1193

Accelerated aging of cured sealant

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 T1193 (other than minor editorial changes) are indicated by a vertical line in the margin as shown here.

Test method T1193

Accelerated aging of cured sealant

1. Scope

This method sets out the procedure for accelerated ageing of cured sealants using heat and water.

2. Apparatus

- (a) A thermostatically controlled oven capable of maintaining temperatures between 50°C and 100°C with an accuracy of $\pm 3^\circ\text{C}$.
- (b) A water bath capable of maintaining temperatures between 25°C and 50°C with an accuracy of $\pm 1^\circ\text{C}$.

3. Preparation

- (a) Prepare the specimen in the mould as required by the specification.
- (b) Allow the specimen to cure for seven days at $23 \pm 3^\circ\text{C}$.

4. Procedure

- (a) Subject the cured specimen to the following cycle. (The specification may require more than one cycle.)
 - (i) 3 days at $70 \pm 3^\circ\text{C}$ (unless specified otherwise)
 - (ii) 1 day at $0 \pm 3^\circ\text{C}$
 - (iii) 2 days water soak at $35 \pm 1^\circ\text{C}$ (unless specified otherwise)
 - (iv) 1 day at $23 \pm 3^\circ\text{C}$
- (b) Carry out tests, measurements, and evaluation as required by the specification.