



# Test method T1153

Boiling hydrochloric acid test for  
preformed cork joint filler

NOVEMBER 2012



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## 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 T1153 (other than minor editorial changes) are indicated by a vertical line in the margin as shown here.

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## Test method T1153

# Boiling hydrochloric acid test for preformed cork joint filler

### 1. Scope

This test method sets out the procedure for assessing the effectiveness of the resins to bond the granulated particles of natural cork.

The test method is adapted from the American Society for Testing and Materials Designation D545-67.

### 2. Apparatus

- (a) Large glass beaker capable of accommodating specimens 100 mm by 100 mm of joint filler.
- (b) Fume cupboard.

### 3. Preparation

- (a) The test specimens from normal cork joint filler are freshly cut to 100 mm by 100 mm.
- (b) Self-expanding cork joint filler sample 120 mm by 120 mm is first boiled in water for one hour and then air-dried for 24 hours. The test samples are cut from the air-dried material.

### 4. Procedure

- (a) Immerse the test specimens in concentrated hydrochloric acid (density 1.19g/ml) and boil for one hour.
- (b) Remove the specimens from the acid and wash free from acid under running water.
- (c) Examine the test specimens for signs of disintegration, delamination and dislodged particles of cork. Examine the test specimens also for friability, lack of resiliency and surface appearance (porosity) and resistance to abrasion by rubbing with the fingers.

### 5. Reporting

Report any defects that are apparent ignoring discolouration and slight swelling.