
Paints and related materials—Methods of test

Method 101.3: Standard procedure for stoving

1 SCOPE

This Standard sets out a method for the drying or curing of painted panels by stoving.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS	
1580	Paints and related materials—Methods of test
1580.102.1	Method 102.1: Sampling procedure
1580.103.1	Method 103.1: Examination and preparation of samples for testing
1681	Safety requirements for electrically heated Type 1 ovens in which flammable volatiles can occur
2831	Thermometers—Solid stem—Long and short—For precision use

3 PRINCIPLE

A test paint is applied to a substrate and oven dried or cured according to the appropriate product specification.

4 APPARATUS

4.1 Oven

Fan-forced oven, ventilated and capable of maintaining the required temperature to within $\pm 3\%$.

4.2 Thermometer

Thermometer capable of recording the temperature of the test environment to an accuracy of at least $\pm 0.5^\circ\text{C}$ up to 150°C and $\pm 1^\circ\text{C}$ for temperatures above 150°C .

NOTE: AS 2831 specifies thermometers that satisfy this requirement.

4.3 Timer

An electronic timer or mechanical timing device, accurate to at least 0.1% over a 5 min period.

4.4 Panel

Panel of size and material specified for the test.

NOTE: The selection of test panel and the stoving conditions need to take account of the soaking time required for the particular substrate.

5 OCCUPATIONAL HEALTH AND SAFETY GUIDANCE

The following criteria apply:

- Precautions for use, as outlined in supplier's Materials Safety Data Sheet (MSDS), shall be followed.