

Australian Standard[®]

Paints and related materials—Methods of test

Method 104.1: Recommended materials for test panels

PREFACE

This Standard was prepared by the Standards Australia Committee on Paints and Related Materials under the direction of the Multitechnics Standards Board, to supersede the 1979 edition.

This Standard is technically the same as the previous edition, however the range of timber panels has been increased by the addition of brushbox and western red cedar.

METHOD

1 SCOPE This Standard specifies materials which are suitable for the manufacture of panels for use in the testing of paints, lacquers, varnishes and related coating materials.

NOTE: The construction materials detailed below are representative of the substrates used throughout the building industry. The list is intended to encourage a rationalization of the range of substrates used in paint testing but accepts that alternative materials may also be appropriate.

2 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

| | |
|------------|---|
| AS | |
| 1080 | Methods of test for timber |
| 1080.1 | Part 1: Moisture content |
| 1397 | Steel sheet and strip – Hot-dipped zinc coated or aluminium/zinc coated |
| 1517 | Tinplate and blackplate |
| 1580 | Paints and related materials – Methods of test |
| 1580.101.5 | Method 101.5: Conditions of test, temperature and humidity controlled |
| 1595 | Cold-rolled unalloyed low carbon steel sheet and strip |
| 1734 | Aluminium and aluminium alloy – Flat sheet, coiled sheet and plate |
| 2458 | Hardboard |
| 2588 | Gypsum plasterboard |
| 2590 | Glass fibre reinforced gypsum plasterboard |

3 PANEL MATERIALS

3.1 Steel panels Steel panels shall be made from cold-rolled, skin passed, commercial drawing quality, low grade CA 2S-E carbon steel sheet of thickness 1.2 mm, and complying with AS 1595.

3.2 Tinplate panels Tinplate panels shall be made from annealed cold-reduced electrolytic or hot-dipped tinplate of thickness 0.30 mm, complying with AS 1517, Grade MRT3/EO5S.

3.3 Panels of hot-dipped zinc coated steel sheet Zinc coated steel sheet shall be made from steel sheet or strip Grade 2 or Grade 3, complying with AS 1397.

3.4 Panels of hot-dipped zinc/aluminium alloy coated steel sheet Zinc/aluminium alloy coated steel sheet shall comprise a coating of nominally 45 percent zinc and 55 percent aluminium by mass on steel sheet or strip Grade 2, complying with AS 1397.