
Paints and related materials—Methods of test

Method 105.2: Pretreatment of metal test panels—Sanding

1 SCOPE

This Standard sets out a method for the pretreatment of metal test panels by hand or mechanical sanding.

2 REFERENCED DOCUMENTS

The following document is referred to in this Standard:

AS

1580 Paints and related materials—Methods of test

1580.105.1 Method 105.1: Pretreatment of metal test panels—Solvent cleaning

3 PRINCIPLE

The test panel is solvent degreased with mineral turpentine, thoroughly roughened commercial grade metal abrasive and then cleaned with solvent.

NOTE: Examples of commercial grade abrasive are sand paper, cloth or pads.

4 MATERIALS

The following materials are required:

- (a) Clean solvent.
- (b) Commercial grade metal abrasive.

5 OCCUPATIONAL HEALTH AND SAFETY GUIDANCE

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

6 PROCEDURE

The procedure shall be as follows:

- (a) Remove all oil or grease from the panel, in accordance with AS 1580.105.1.
- (b) Thoroughly roughen the surface of the panel ensuring the entire surface is abraded. Care should be taken to ensure that the surface of the abrasive is not unduly worn at any stage during the roughening operation. Remove traces of abrasive dust.
- (c) Clean the panel again, in accordance with AS 1580.105.1.

NOTES:

- 1 If the panel is to be painted, this should be done without delay, taking care that at no time between degreasing and painting should the prepared surface be touched by hand or otherwise contaminated.
- 2 If desired, the oxide film on steel panels may be removed by a preliminary mechanical sanding prior to performing the above procedure.