

# Australian/New Zealand Standard™

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## Paints and related materials— Methods of test

### Method 459.1: Resistance to washing

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#### PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CH/3, Paints and Related Materials, to supersede AS 1580.459.1—1983. The revision differs from the previous Standard, in that two methods of assessment are included. The visual assessment should be applied to flat and low sheen products while other products should be assessed using a gloss meter instead of a grey scale.

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#### METHOD

##### 1 SCOPE

This Standard sets out a method for determining the resistance of paint films to washing. The method is primarily intended to assess the ability of the paint film to resist change in gloss, loss of integrity or damage by repeated cleaning. It does not necessarily assess the ease of stain removal from the paint surface.

##### 2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

###### AS/NZS

1580	Paints and related materials—Methods of test
1580.101.1	Method 101.1: Conditions of test—Temperature, humidity and airflow control
1580.101.4	Method 101.4: Conditions of test—Temperature control
1580.602.2	Method 602.2: Measurement of specular gloss of non-metallic paint films at 20°, 60° and 85°

##### 3 PRINCIPLE

The paint to be tested is applied to the test panel. After drying and conditioning, the paint film is mechanically cleaned over a specified number of cycles with a sponge soaked in soap solution. The resistance of the paint film to polishing is assessed either visually or instrumentally by determining the gloss difference between cleaned and adjacent uncleaned areas of panel