

Australian Standard®

Paints and related materials—Methods of test

Method 403.2: Abrasion resistance

PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee CH-003, Paints and Related Materials to supersede the 1994 edition of the Standard.

METHOD

1 SCOPE

This Standard sets out a method for determining the abrasion resistance of a paint coating or other finishes, such as anodising, electroplating, paper products, rubbers, plastics, textiles, glass and concrete, using an abramer.

NOTE: The Taber abramer might not be appropriate with some coatings which can clog the abrasive wheels.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS/NZS

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| 1580 | Paints and related materials—Methods of test |
| 1580.101.1 | Method 101.1: Conditions of test—Temperature, humidity and airflow control |
| 1580.104.1 | Method 104.1: Recommended materials for test panels |

ASTM

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| D 2240 | Test method for rubber property—Durometer hardness |
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3 DEFINITIONS

For the purpose of this Standard, the following definitions apply:

3.1 Mass loss

The mass loss in milligrams, determined after a specified number of abrasion cycles.

3.2 Wear appearance

The change in appearance of a test film after it has been subjected to abrasion under a specific set of test conditions.