

# Australian Standard™

## Paints and related materials—Methods of test

### Method 213.2: Dry hiding power—Contrast ratio

#### FOREWORD

Paints cannot be readily applied at any nominated spreading rate with sufficient reproducibility to establish accurately a paint's contrast ratio. Thus, to establish the contrast ratio at any nominated spreading rate, films of thicknesses approaching the nominated film thickness are prepared and the actual spreading rate of each is determined from a knowledge of the wet paint density and non-volatile content by mass. Because there is an approximate linear relationship between the contrast ratio (CR) of conventional decorative white or light-coloured paints and the spreading rate, the contrast ratio at a nominated spreading rate can be interpolated from those of the prepared films. This method requires the preparation of four separate films of thickness spanning the specified spreading rate.

The graphical interpolation is made from the linear relationship of CR versus spreading rate, rather than the non-linear CR versus dry film mass, to overcome the difficulties of interpolation for non-linear plots.

#### METHOD

##### 1 SCOPE

This Standard describes procedures for the quantitative determination of the opacity (by contrast ratio measurement) of a dry, light-coloured paint film at a specified spreading rate.

##### 2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

###### AS

1580	Methods of test for paint and related materials
1580.101.1	Method 101.1: Conditions of test—Temperature, humidity and airflow control
1580.101.5	Method 101.5: Conditions of test—Temperature and humidity control
1580.103.1	Method 103.1: Preliminary examination and preparation of samples for testing
1580.202.1	Method 202.1: Density
1580.202.2	Method 202.2: Density of water-dispersed paints subject to foaming
1580.301.1	Method 301.1: Non-volatile content by mass

###### AS/NZS

2310	Glossary of paint and painting terms
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##### 3 DEFINITION

For the purposes of this Standard, the definitions of AS/NZS 2310 apply.