

Australian Standard™

**Metal finishing—Preparation and
pretreatment of surfaces**

**Part 9: Pictorial surface preparation
standards for painting steel surfaces**

Originated as AS 1627.9—1974.
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PREFACE

This Standard was prepared by Standards Australia Committee MT-009, Metal Finishing to supersede AS 1627.9—1989, *Metal finishing—Preparation and pretreatment of surfaces, Part 9: Pictorial surface preparation standards for painting steel surfaces*.

The 1989 edition of this Standard endorsed as an Australian Standard, and included a copy of ISO 8501-1:1988, *Preparation of steel substrates before application of paints and related products—Visual assessment of surface cleaning—Rust grades and preparation grades of uncoated steel substrates and of steel substrates after overall removal of previous coatings*. This is not the case with this edition. Rather, reference is made to ISO 8501-1:1988, so a copy of the ISO Standard is required for the application of this Standard. Note that users of the 1989 edition of AS 1627.9 may use the copy of ISO 8501-1 included with that Standard. A copy of ISO 8501-1 may be purchased from Standards Australia.

This Standard is Part 9 of a series of Standards covering the preparation and pretreatment of metal surfaces used in metal finishing. The series comprises the following Parts:

AS

1627	Metal finishing—Preparation and pretreatment of surfaces
1627.0	Part 0 Method selection guide
1627.1	Part 1: Removal of oil, grease and related contamination
1627.2	Part 2: Power tool cleaning
1627.4	Part 4: Abrasive blast cleaning
1627.5	Part 5: Picking
1627.6	Part 6: Chemical conversion treatment of metals
1627.9	Part 9: Pictorial surface standards for painting steel surfaces

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STANDARDS AUSTRALIA

Australian Standard

Metal finishing—Preparation and pretreatment of surfaces

Part 9: Pictorial surface preparation standards for painting steel surfaces

1 SCOPE

This Standard specifies a series of rust grades and preparation grades of steel surfaces by reference to ISO 8501-1:1988.

2 REFERENCE DOCUMENTS

The following document is referred to in this Standard:

ISO

- 8501 Preparation of steel substrates before application of paint and related products—Visual assessment of surface cleanliness
 8501-1 Part 1: Rust grades and preparation grades of uncoated steel substrates and of steel substrates after overall removal of previous coatings

References to International Standards in ISO 8501-1 should be replaced by Australian Standards, as follows:

<i>Reference to International Standard</i>	<i>Australian Standard</i>
ISO	AS
8501 Preparation of steel substrates before application of paints and related products—Visual assessment of surface cleanliness	—
8501-2 Part 2: Preparation grades of previously coated steel substrates after localized removal of previous coatings	—
8502 Preparation of steel substrates before application of paints and related products—Tests for the assessment of surface cleanliness	1627 Metal finishing—Preparation and pretreatment of surfaces 1627.1 Part 1: Removal of oil, grease and related contamination
8503 Preparation of steel substrates before application of paint and related products—Surface roughness characteristics of blast-cleaned steel substrates	—
8504 Preparation of steel substrates before application of paint and related products—Surface preparation methods	1627 Metal finishing—Preparation and pretreatment of surfaces
8504-2 Part 2: Abrasive blast-cleaning	1627.4 Part 4: Abrasive blast cleaning
8504-3 Part 3: Hand and power tool cleaning	1627.2 Part 2: Power tool cleaning

3 RUST GRADES

Rust grades shall be designated in accordance with ISO 8501-1.

4 PREPARATION GRADES

Preparation grades shall be as defined in ISO 8501-1.

5 PROCEDURE FOR VISUAL ASSESSMENT FOR STEEL SUBSTRATES

The procedure is as set out in ISO 8501-1.