

Australian Standard™

**Packaging**

**Part 5: Temporary corrosion protection**

This Australian Standard was prepared by Committee PK-025, Packaging Code. It was approved on behalf of the Council of Standards Australia on 27 May 2005. This Standard was published on 15 June 2005.

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The following are represented on Committee PK-025:

Australian Paints Manufacturers' Federation  
Canmakers Institute of Australia Inc  
Department of Defence (Australia)  
Printing Industries Association of Australia  
Victorian WorkCover Authority

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**Part 5: Temporary corrosion protection**

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## PREFACE

This Standard was prepared by Standards Australia Committee PK-025, Packaging Code to supersede, AS 2400.5—1988, *SAA Packaging Code*, Part 5: *Metal protection*.

The objective of the Standard is to specify new classifications for the temporary protection of metal surfaces.

Bare metal surfaces may rust and corrode because of the effect of humidity or polluted atmosphere. To prevent rust and corrosion, temporary corrosion preventives are used, primarily during transportation and storage. The degree of protection will depend on exposure conditions and on the period for which protection is required, which may vary from a few days to a year or longer. Corrosion prevention and subsequent packaging should be considered together.

During the preparation of this Standard, cognizance was taken of the following International Standard:

### ISO

6743 Lubricants, industrial oils and related products (class L)—Classification  
6743-8 Part 8: Family R (Temporary protection against corrosion)

This Standard is one of a series of Standards covering the range of Packaging Standards. The series comprises the following:

### AS

2400 Packaging  
2400.1 Part 1: Glossary of packaging terms  
2400.5 Part 5: Temporary corrosion protection (this Standard)  
2400.6 Part 6: Paper and paperboard  
2400.7 Part 7: Timber boxes  
2400.8 Part 8: Textile bags, sacks and wrappings  
2400.10 Part 10: Protection against shock and vibration (cushioning)  
2400.11 Part 11: Cordage  
2400.12 Part 12: Adhesive closure and sealing tapes  
2400.13 Part 13: Tensional trapping  
2400.14 Part 14: Adhesive  
2400.16 Part 16: Flexible packaging  
2400.18 Part 18: Use of desiccants in packaging  
2400.22 Part 22: Closures

The term 'informative' has been used in this Standard to define the application of the appendix to which it applies. An 'informative' appendix is only for information and guidance.

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## STANDARDS AUSTRALIA

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**Australian Standard**  
**Packaging**


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**Part 5: Temporary corrosion protection**


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## SECTION 1 SCOPE AND GENERAL

**1.1 SCOPE**

This Standard specifies the selection and use of temporary corrosion preventives for protecting metal surfaces during transport and storage.

**1.2 APPLICATION**

This Standard applies to temporary corrosion preventives. The significance of the term 'temporary' is not in the duration of the effectiveness of the preventive but rather in the fact that it can be easily removed so that the protected surfaces can be restored to their original state. It does not apply to longer lasting or more durable protective coatings such as those applied by painting, electroplating, galvanizing or chemical surface conversion treatments.

**1.3 REFERENCE DOCUMENTS**

The following documents are referred to in this Standard:

## 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      |
| 1940    | The storage and handling of flammable and combustible liquids |
| 2400    | Packaging   |
| 2400.1  | Part 1: Glossary of packaging terms                           |
| 2400.18 | Part 18: Use of desiccants in packaging                       |
| 4312    | Corrosivity zones in Australia                                |

## AS/NZS

- |          |   |
|----------|---|
| 2430     | Classification of hazardous areas                           |
| 2430.3.1 | Part 3.1: Examples of area classification—General           |
| 2430.3.3 | Part 3.3: Examples of area classification—Flammable liquids |

## ISO

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|-----|---|
| 344 | Industrial liquid lubricants—ISO viscosity classification |
|-----|---|

**1.4 DEFINITIONS**

For the purpose of this Standard the definitions in AS 2400.1 apply.