

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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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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This Standard was issued in draft form for comment as DR 05101.

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Originated as AS 2400.5—1988.
Second edition 2005.

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Published by Standards Australia GPO Box 5420, Sydney, NSW 2001, Australia

ISBN 0 7337 6775 3

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 closing and sealing tapes
2400.13 Part 13: Tensional strapping
2400.14 Part 14: Adhesives
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

**Australian Standard
Packaging****Part 5: Temporary corrosion protection**

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

- 3448 Industrial liquid lubricants—ISO viscosity classification

1.4 DEFINITIONS

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