

Australian Standard<sup>®</sup>

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**Packaging**

**Part 7: Timber boxes**

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This Australian Standard was prepared by Committee PK/25, Packaging. It was approved on behalf of the Council of Standards Australia on 3 October 1989 and published on 11 June 1990.

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The following interests are represented on Committee PK/25:

Agricultural and Veterinary Chemicals Association of Australia  
Ansett Airlines of Australia  
Australian Institute of Packaging  
Australian Timber Producers Council  
Bureau of Steel Manufacturers of Australia  
Canmakers Institute of Australia  
Confederation of Australian Industry  
Cordage Institute of Australia  
Department of Defence  
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## PREFACE

This Standard was prepared by the Standards Australia Packaging Code Committee under the direction of the Packaging Standards Board, as a further Standard of the AS 2400 series, *Packaging* (previously known as the SAA Packaging Code).

The aim of this Standard is to assist users in selection and use of timber boxes.

The AS 2400 series, *Packaging*, has been divided into different parts dealing with specific subjects, as follows:

<i>Part</i>	<i>Title</i>
1	Glossary of packaging terms
2	Basic principles of packaging practice
3	Mechanical aids in package handling
4	Protection against spoilage of packages and their contents by microorganisms, insects, mites and rodents
5	Metal protection
6	Paper and paperboards
7	Timber boxes
8	Textile bags, sacks and wrappings
9	Metal containers
	9.1 Metal cans and tubes
	9.2 Metal containers—Steel drums
10	Protection against shock and vibration (cushioning)
11	Cordage
12	Adhesive closing and sealing tapes
13	Tensional strapping
14	Adhesives
15	Glass containers
16	Flexible packaging
17	Packaging in plastics containers
18	Use of desiccants in packaging
19	Packaging for airfreight
20	Handling of goods in freight containers
21	Packaging of dangerous goods
22	Closures
23	Shrink and stretch wrapping

During the preparation of this Standard, reference was made to British Standard BS 1 133, Packaging Code, and the assistance obtained from this source is acknowledged.

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## STANDARDS AUSTRALIA

**Australian Standard****Packaging****Part 7: Timber boxes**

**1 SCOPE.** This Standard provides general guidance on construction of timber boxes, including recommendations for the selection of materials suitable for the required performance.

NOTE: A knowledge of engineering principles is necessary to produce a design specification from the information given.

**2 REFERENCED DOCUMENTS.** The following documents are referred to in this Standard:

AS

1157	Methods of testing materials for resistance to fungal growth
1157.5	Part 5: Resistance of timber to surface fungal growth
1353	Synthetic-webbing flat slings
1380	Fibre-rope slings (of natural or synthetic rope)
1438	Wire-coil flat slings
1604	Preservative treatment for sawn timber, veneer and plywood
1613	Colours for marking stress graded timber
1649	Methods for the determination of basic working loads for metal fasteners for timber
1720	SAA Timber Structures Code
1728	Types of timber surfaces
1748	Mechanically stress-graded timber
1749	Rules for mechanical stress grading of timber
1859	Flat pressed particleboard
2082	Visually stress-graded hardwood for structural purposes
2269	Structural plywood
2334	Steel nails—Metric series
2348	Guide to the determination of the optimum dimensions of packages for unit load handling
2359	SAA Industrial Truck Code
2400	SAA Packaging Code
2400.1	Part 1: Glossary of packaging terms
2400.2	Part 2: Basic principles of packaging practice
2400.3	Part 3: Mechanical aids in package handling
2400.4	Part 4: Protection against spoilage of packages and their contents by microorganisms, insects, mites and rodents
2400.5	Part 5: Metal protection
2400.10	Part 10: Protection against shock and vibration (cushioning)
2400.18	Part 18: Use of desiccants in packaging
2458	Hardboard
2459	Organic fibre insulating board
2582	Complete, filled transport packages—Methods of test
2583	Complete, filled transport packages—Distribution trials—Information to be recorded
2584	Complete, filled transport packages—General rules for the compilation of performance schedules
2852	Packaging—Pictorial marking for the handling of packages
2858	Timber—Softwood—Visually stress-graded for structural purposes

**3 DEFINITIONS.** For the purpose of this Standard, the definitions given in AS 2400.1 and those below apply.

**3.1 Braces**—single, double, treble or multiple diagonal members taking the form of an X or XX shape, fitted mainly to prevent racking (diagonal deformation) and, to a lesser extent, to prevent puncture and compressive damage in that the total thickness is increased.

**3.2 Cleated timber box**—a nailed timber box having two or more inside or outside cleats on two opposite faces to reinforce the box and increase its nailing area.