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Australian Standard 2322—1979

CORRUGATED FIBREBOARD BOXES FOR EXPORT OF RINDLESS CHEESE



STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter



THE FOLLOWING SCIENTIFIC, INDUSTRIAL AND GOVERNMENTAL ORGANIZATIONS and departments were officially represented on the committee entrusted with the preparation of this standard:

**Australian Cannery Association
Australian Fibre Box Industry
Confederation of Australian Industry
Department of Defence
Department of Primary Industry
Department of Productivity
Overseas Shipping Representatives Association
Packaging Council of Australia
Railways of Australia Committee
The Technical Association of the Australian and New Zealand Pulp and Paper Industry (Appita)**

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AUSTRALIAN STANDARD

**CORRUGATED FIBREBOARD
BOXES FOR EXPORT OF
RINDLESS CHEESE**

AS 2322—1979

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PREFACE

This standard was prepared by the Association's Committee on Fibreboard Containers, under the direction of the Packaging Standards Board. The format is similar to that of AS 1520—1978, Fibreboard Containers for General Purposes.

Attention is drawn to the fact that the test procedures available for the products described in this standard are such that the test results obtained are indicative of, but do not always relate directly to, the performance of the product. It is therefore necessary to combine nominally acceptable specification limits with a mandatory sampling procedure in order to ensure that the product specified is adequately described. The use of sampling plans other than that prescribed herein could result either in the acceptance of an unsuitable product or the rejection of a suitable one. Both specification limits and sampling plan have been chosen on the basis of the best information currently available.

This standard may require reference to the following standards:

- | | |
|---------|--|
| AS 1048 | Recommendation for the International Code for Fibreboard Cases (The Selin Code) |
| AS 1301 | Methods of Test for Pulp and Paper (Metric Units) |
| | P411m—73 Water Absorptiveness of Paper and Paperboard (Cobb Test) |
| | P414m—73 Conditioning of Paper for Testing |
| | P415m—73 Standard Atmosphere for Paper Testing |
| | P429ts—73 Flat Crush Resistance of Corrugated Fibreboard |
| | P430ts—73 Liner Adhesion of Corrugated Board |
| | P438rp—73 Bursting Strength of Paperboard and Corrugated Fibreboard |
| | P800s—78 Compression Resistance of Fibreboard Containers (Cases) |
| AS Z29 | Recommendations for Pictorial Markings for the Handling of Packages |
| AS Z47 | Glossary of Packaging Terms |
| BS 3755 | Methods of Test for the Assessment of Odour from Packaging Materials used for Foodstuffs |

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STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard
for
CORRUGATED FIBREBOARD BOXES FOR EXPORT OF RINDLESS CHEESE

SECTION 1. SCOPE AND GENERAL

1.1 SCOPE. This standard specifies requirements for consignments of corrugated fibreboard boxes and associated stacking collars for the packing of block rindless cheese.

The boxes are designed to hold approximately 19 kg of cheese.

NOTE: The boxes are to be packed as described in Appendix B and closed as described in Appendix C.

1.2 APPLICATION. The corrugated fibreboard boxes and stacking collars shall comply with the requirements of Section 1 and Section 2.

1.3 DEFINITIONS. For the purpose of this standard, the definitions given in AS Z47 and the following definition apply:

Stacking collar—a scored piece of corrugated fibreboard fitted against the inside of the vertical walls of the box to provide additional strength and cushioning.

1.4 BOX TYPE. The box shall be Type 0204 or Type 0205 and the stacking collar shall be Type 0908 as described in AS 1048. The box shall be 'end opening' as shown in Fig. 1.1.

NOTE: For Type 0204 boxes, specific markets may require a gap between the inside flaps and between outside flaps at each end in order to facilitate opening. In such cases a maximum gap of 20 mm is permitted.

1.5 DIMENSIONS. The dimensions are related to a net mass of approximately 19 kg. Minor variations to these dimensions may be made to accommodate standard unit sizes close to 19 kg, e.g. 20 kg.

(a) *Box.* The internal dimensions of the box shall be such that the box closely accommodates the stacking collar.

(b) *Stacking collar.* The internal dimensions of the stacking collar to contain approximately 19 kg of rindless cheese shall be as follows:

Length 283 mm
Width 171 mm
Depth 359 mm

The direction of the flutes shall be parallel with the width.

NOTE: The dimensions of the stacking collar are specified in a sequence which follows the convention used for boxes, i.e. first the length, as the largest dimension of the opening, followed by width of the opening and last the depth.

1.6 IDENTIFICATION OF BOX FACES. The box shall be placed in the preferred position for transport facing so that the manufacturer's or packer's joint forms the horizontal top edge of the face towards the observer. The faces shall then be numbered as shown in Fig. 1.1.

Edges shall be identified by numbers on the two faces adjacent to the edges, e.g. 2-5 means the vertical edge formed by faces 2 and 5.

Corners shall be identified by numbers on the three faces adjacent to the corners, e.g. 1-2-5 means the right-hand top corner formed by faces 1, 2 and 5.

1.7 HYGIENE REQUIREMENTS. To comply with hygiene requirements, any materials on or incorporated in the finished box or interior fittings shall not—

(a) be substances prohibited by any relevant Statutory Authority; or

(b) contaminate the cheese to a level likely to adversely affect its odour or flavour.

NOTE: The recommended testing method is described in BS 3755:1964, Methods of Test for the Assessment of Odour from Packaging Materials used for Foodstuffs.

1.8 MANUFACTURER'S JOINT. The manufacturer's joint shall be a glued lap joint of sufficient strength to withstand the normal conditions of handling and complying with the following requirements:

(a) The joint shall be formed at the junction of faces 1 and 5.

(b) The gluing lap shall be not less than 35 mm and not more than 38 mm wide with splay cut ends and shall extend from the end of face 1 and be secured to the outside of face 5.

(c) The joint shall be secured by means of water-resistant or hot melt adhesive.

(d) The scores of the flaps forming faces 2 and 4 shall be aligned within ± 2 mm of each other at the ends of the manufacturer's joint.

(e) The stacking collar shall be scored so that, when folded, the ends of the collar meet at a point approximately 75 mm from the edge 2-6 (see Fig. 1.1).

1.9 SAMPLING. Samples for testing of the consignment shall be taken at the point and time of despatch from the manufacturer's premises.

The sampling requirements shall be as specified in Appendix A.

1.10 MARKING AND IDENTIFICATION. In addition to information required by either the purchaser or Statutory Authority, each box shall be clearly and legibly marked, in medium shade blue ink, with the following information:

(a) *On the outside of face 6,* the approved export brand.