AS 1249:2014
(Incorporating Amendment Nos 1, 2 and 3)

AS 1249:2014

Australian STANDARD

Children's nightwear and limited daywear having reduced fire hazard

STANDARDS Australia

This Australian Standard® was prepared by Committee CS-086, Burning Behaviour of Textile Products, Floor Coverings and Furniture. It was approved on behalf of the Council of Standards Australia on 13 June 2014.
This Standard was published on 30 June 2014.

The following are represented on Committee CS-086:

- Australian and New Zealand Burn Association
- Australian Competition and Consumer Commission
- Australian Compliance Institute
- Australian Industry Group
- Australian Retailers Association
- AWTA Textile Testing
- Consumer Federation of Australia
- Council of Textile and Fashion Industries of Australia
- CSIRO Manufacturing and Materials Technology
- Kidsafe
- Ministry of Business, Innovation and Employment (New Zealand)
- National Retailers Association
- New Zealand Retailers Association
- RMIT University
- Royal New Zealand Plunket Society

This Standard was issued in draft form for comment as DR AS/NZS 1249.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

Keeping Standards up-to-date

Australian Standards® are living documents that reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued.

Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments that may have been published since the Standard was published.

Detailed information about Australian Standards, drafts, amendments and new projects can be found by visiting www.standards.org.au

Standards Australia welcomes suggestions for improvements, and encourages readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at mail@standards.org.au, or write to Standards Australia, GPO Box 476, Sydney, NSW 2001.

AS 1249:2014
(Incorporating Amendment Nos 1, 2 and 3)

Australian Standard®

Children's nightwear and limited daywear having reduced fire hazard

Originated in Australia as AS CL3—1969.
Originated in New Zealand as NZS 8705:1977.
Previous edition AS/NZS 1249:2003.
Sixth edition 2014.
Reissued incorporating Amendment No. 1 (November 2014).
Reissued incorporating Amendment No. 2 (September 2017).
Reissued and redesignated incorporating Amendment No. 3 (June 2020) as AS 1249:2014.

COPYRIGHT

© Standards Australia Limited

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher, unless otherwise permitted under the Copyright Act 1968.

ISBN 978 1 74342 784 2

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CS-086, Burning Behaviour of Textile Products, Floor Coverings and Furniture, to supersede AS/NZS 1249:2003.

This Standard incorporates Amendment No. 1 (November 2014), Amendment No. 2 (September 2017) and Amendment No. 3 (June 2020). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.

A3 Amendment No. 3 to this Standard was prepared by the Australian members of Joint Standards Australia/Standards New Zealand Committee CS-086, Burning Behaviour of Textile Products, Floor Coverings and Furniture. As a consequence of Amendment No. 3, which is published as an Australian-only amendment, the designation of this Standard has been redesignated from AS/NZS 1249:2014 to AS 1249:2014.

This edition contains a number of significant changes. The flammability tests and trim requirements have been rationalized and reduced. A new cautionary label has been introduced. Other changes have been made to improve and clarify some parts of the Standard that were considered confusing and to provide users with a more workable document.

Key changes made in this edition include:

(a) The types of garments to which this Standard applies are listed in Clause 0.2 and there is now no separate definition of nightwear.

(b) Flame spread tests for Category 1 have been streamlined.

(c) A new test for the hazard of molten material has been developed and included in Category 1.

(d) Several trim types have been deleted from trim requirements.

(e) Trim requirements for Categories 1 and 2 are now the same.

(f) If trim fabric itself passes the flame spread and surface burn requirement, then its use is not restricted.

(g) All-in-one garments that were the subject of Category 3 have been excluded from the Standard altogether if they have no nap or pile.

(h) The Low Fire Danger label for Categories 1, 2 and 3 has been replaced with a new cautionary label that includes the flame symbol.

(i) Cellulosic, acetate and acrylic fibres in Category 4 requirements have been substantially simplified.

(j) Label specifications are located within each category.

(k) Loose tie shoulder straps may not be used for Category 2.

(l) Blankets and towels that incorporate an arm hole or sleeve can be categorized as Category 4 garment if they meet the requirements.

(m) Where products are offered for online sale, clear and legible fire hazard information shall be provided as part of the online image and product description.

(n) Rationales are now provided in the new Appendix C.

Refer to Appendix D for a more expansive list of key changes.

When it is intended to sell children's nightwear garments in Australia and New Zealand, national consumer regulations apply in addition to the requirements of this Standard.

Garments that do not meet the requirements of any of the Categories specified in Table 0.1 are considered to be very highly flammable, and therefore do not comply with this Standard.

Some daywear garments have been included in the Standard because of the difficulty of distinguishing between daywear and nightwear for these items.

Many flame burns suffered by children involve flammable liquids. Garments complying with the requirements of this Standard may give little or no protection against burns where flammable liquids are involved.

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendix to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

CONTENTS

Page

SECTION 0 SCOPE AND GENERAL
0.1 SCOPE 6
0.2 APPLICATION 6
0.3 OBJECTIVES 7
0.4 REFERENCED DOCUMENTS 7
0.5 DEFINITIONS 7
0.6 CLASSIFICATION 10
0.7 PYJAMA CATEGORIZATION 10

SECTION 1 CATEGORY 1 GARMENTS
1.1 SCOPE OF SECTION 12
1.2 GENERAL 12
1.3 BURNING BEHAVIOUR REQUIREMENTS FOR FABRICS 12
1.4 TRIMS 13
1.5 GARMENT LABELLING REQUIREMENTS 19

SECTION 2 CATEGORY 2 GARMENTS
2.1 SCOPE OF SECTION 21
2.2 GENERAL 24
2.3 SURFACE BURNING REQUIREMENTS FOR FABRICS WITH A PILE OR NAP 24
2.4 DIMENSIONAL REQUIREMENTS 24
2.5 TRIMS 30
2.6 FASTENINGS 35
2.7 SPLITS 36
2.8 GARMENT LABELLING REQUIREMENTS 36

SECTION 3 CATEGORY 3 GARMENTS
3.1 SCOPE OF SECTION 38
3.2 SURFACE BURNING REQUIREMENTS FOR FABRICS WITH A PILE OR NAP 40
3.3 GARMENT LABELLING REQUIREMENTS 40

SECTION 4 CATEGORY 4 GARMENTS
4.1 SCOPE OF SECTION 43
4.2 GENERAL 43
4.3 SURFACE BURNING TIME FOR FABRICS WITH A PILE OR NAP 43
4.4 USE OF FABRICS WITH A CELLULOSIC, ACETATE OR ACRYLIC FIBRE CONTENT 44
4.5 INFANT SLEEPBAGS DESIGNED TO BE OPENED AT THE BOTTOM OF THE BAG 44
4.6 INFANT SLEEPBAGS PERMANENTLY SEALED AT THE BOTTOM OF THE BAG 44
4.7 BLANKETS AND TOWELS THAT INCORPORATE A SLEEVE OR ARM OPENING 45
4.8 GARMENT LABELLING REQUIREMENTS 47

APPENDICES

A WASH PROCEDURE 49
B METHOD FOR DETERMINING DURABILITY AND ATTACHMENT OF LABEL INCORPORATING FIRE HAZARD INFORMATION 50
C RATIONALES 52
D OVERVIEW OF CHANGES TO AS/NZS 1249:2003 55

STANDARDS AUSTRALIA

Australian Standard
Children's nightwear and limited daywear having reduced fire hazard

S E C T I O N 0 S C O P E A N D G E N E R A L

0.1 SCOPE

This Standard specifies design, flammability performance and labelling requirements for four Categories of children's nightwear garments, together with some daywear/underwear items that may be commonly used as nightwear (e.g. boxer shorts and size 00–2 knitted all-in-ones with pile or nap).

NOTE: There are some garments which will not meet the requirements of any of the categories in this Standard and therefore cannot comply with this Standard.

0.2 APPLICATION

0.2.1 General

This Standard applies to nightwear and limited daywear garments in sizes ranging from 00 to 14, based on the size number scheme set out in AS 1182.

NOTE: Where a style includes sizes that are partially captured by this Standard, with some sizes falling outside the scope of this Standard, it may be practical to apply flammability labels to all sizes of garments to avoid potential labelling errors in production.

0.2.2 Inclusions

This Standard applies to nightwear and limited daywear, including—

(a) pyjamas (whether sold as top and bottom together or as nightwear separates);

(b) size 3–14 knitted nightwear all-in-ones;

(c) size 00–14 woven nightwear all-in-ones;

(d) predominantly knitted all-in-one garments in the size range 00–2 made from fabrics that have a pile or nap, or include fabrics with a pile or nap;

(e) nightdresses and nighties;

(f) nightshirts;

(g) dressing gowns;

(h) bathrobes;

(i) boxer shorts of a loose style commonly used as nightwear;

(j) infant sleepbags with sleeves or arm openings; and

(k) blankets and towels that incorporate a sleeve or arm opening.

0.2.3 Exclusions

Garments excluded from this Standard are—

A2 (a) knitted all-in-ones up to and including size 2 that are not made from fabrics with a pile or nap and do not include fabrics with a pile or nap;

(b) size 3–14 knitted daywear all-in-ones;

(c) woven all-in-ones for daywear;

© Standards Australia