

Australian Standard[®]

**Textiles for health care facilities
and institutions**

Part 6: Fabric specifications

This Australian Standard was prepared by Committee TX/15, Textiles for Health Care Facilities and Institutions. It was approved on behalf of the Council of Standards Australia on 21 October 1995 and published on 5 January 1996.

The following interests are represented on Committee TX/15:

Australian Chamber of Commerce and Industry
Australian Linen Services Executive
Australian Nursing Federation
Australian Wool Research and Promotion Organization
AWTA Textile Testing
Council of Textile and Fashion Industries of Australia
Department of Corrective Services, N.S.W.
Federation of Sterilizing Research and Advisory Councils of Australia
Department of Health, N.S.W.
Department of Health, W.A.
Department of Public Works and Services, N.S.W.
Hospital Laundry Managers Association of Australia
N.S.W. Operating Theatre Association
South Australian Health Commission
Textile Distributors Association
Textile Rental and Laundry Association, Australia
Victorian Institutional Laundries Association

Review of Australian Standards. To keep abreast of progress in industry, Australian Standards are subject to periodic review and are kept up to date by the issue of amendments or new editions as necessary. It is important therefore that Standards users ensure that they are in possession of the latest edition, and any amendments thereto.

Full details of all Australian Standards and related publications will be found in the Standards Australia Catalogue of Publications; this information is supplemented each month by the magazine 'The Australian Standard', which subscribing members receive, and which gives details of new publications, new editions and amendments, and of withdrawn Standards.

Suggestions for improvements to Australian Standards, addressed to the head office of Standards Australia, are welcomed. Notification of any inaccuracy or ambiguity found in an Australian Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

This Standard was issued in draft form for comment as DR 93196.

Australian Standard[®]

**Textiles for health care facilities
and institutions**

Part 6: Fabric specifications

PREFACE

This Standard was prepared by the Standards Australia Committee, TX/15, on Textiles for Health Care Facilities and Institutions as a revision of AS 2892—1986, *Textiles for hospitals and institutions—Fabric specifications*.

The Standard lists fabrics made from cotton, cotton/synthetic fibre blends and synthetic fibre, giving in tabular form suggested constructional characteristics and physical requirements of the grey state or finished fabric. The fabrics form the basis of most hospital textile commodities including general ward flat 'linen' items, theatre 'linen', patient apparel and theatre apparel. End uses are suggested as it is considered the fabrics so listed will cover the full range of hospital requirements.

The terms 'normative' and 'informative' have been used in this Standard to define 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.

© Copyright — STANDARDS AUSTRALIA

Users of Standards are reminded that copyright subsists in all Standards Australia publications and software. Except where the Copyright Act allows and except where provided for below no publications or software produced by Standards Australia may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing from Standards Australia. Permission may be conditional on an appropriate royalty payment. Requests for permission and information on commercial software royalties should be directed to the head office of Standards Australia.

Standards Australia will permit up to 10 percent of the technical content pages of a Standard to be copied for use exclusively in-house by purchasers of the Standard without payment of a royalty or advice to Standards Australia.

Standards Australia will also permit the inclusion of its copyright material in computer software programs for no royalty payment provided such programs are used exclusively in-house by the creators of the programs.

Care should be taken to ensure that material used is from the current edition of the Standard and that it is updated whenever the Standard is amended or revised. The number and date of the Standard should therefore be clearly identified.

The use of material in print form or in computer software programs to be used commercially, with or without payment, or in commercial contracts is subject to the payment of a royalty. This policy may be varied by Standards Australia at any time.

CONTENTS

	<i>Page</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE	4
1.2 REFERENCED DOCUMENTS	4
1.3 DEFINITIONS	4
1.4 DESIGNATION OF FABRICS	4
1.5 SELECTION OF TEST SAMPLE	4
1.6 IDENTIFICATION	5
1.7 MARKING	5
SECTION 2 MANUFACTURING REQUIREMENTS	
2.1 YARN	6
2.2 FLAT WOVEN FABRIC	6
2.3 TERRY FABRIC	7
2.4 REPELLENT FABRIC	7
SECTION 3 TEST REQUIREMENTS	
3.1 BREAKING FORCE	12
3.2 DIMENSIONAL CHANGE	12
3.3 COLOURFASTNESS	12
3.4 PILLING AND FUZZING	12
3.5 EXTRACTABLE MATTER	12
3.6 PILE RATIO	12
APPENDICES	
A LIST OF REFERENCED DOCUMENTS	13
B PURCHASING GUIDELINES	14
C METHOD FOR DETERMINATION OF OIL REPELLENCY	15
D METHOD OF DETERMINATION OF PILLING AND FUZZING	17

STANDARDS AUSTRALIA

Australian Standard

Textiles for health care facilities and institutions

Part 6: Fabric specifications

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE This Standard specifies requirements for cotton, cotton/synthetic and synthetic fabrics for health care and institutional uses.

1.2 REFERENCED DOCUMENTS A list of documents referred to in this Standard is given in Appendix A.

1.3 DEFINITIONS For the purpose of this Standard, the current terms and definitions published by the Textile Institute, Manchester, U.K.*, apply.

1.4 DESIGNATION OF FABRICS Each fabric is designated by an item number which comprises two components and is indicated in the first columns of Tables 2.2 to 2.5. The first component is a designation determined by the fibre type, blend or structure as indicated in Table 1.1. The second component is an arbitrary number which distinguishes between different fabrics of the same fibre(s) or structure.

Example: C5 refers to the fifth cotton fabric listed in Table 2.2.

TABLE 1.1
DESIGNATION

Fibre or structure	Designation
Cotton	C
Polyamide (nylon)	Pa
Polyester	Pe
Polyester/cotton	Pe/C
Terry structure	T

Blended fabrics are listed in Table 2.3. For each of these fabrics, the fibre content is listed in the second column of the table in order of dominance, each fibre designation separated by an oblique slash (/).

Example: 65/35 Pe/C refers to a fabric manufactured from blended polyester/cotton fibre consisting of 65 percent polyester and 35 percent cotton (see also AS 2622).

1.5 SELECTION OF TEST SAMPLE A sample the full width of the fabric and at least 4 m² in area shall be selected not less than 2 m from an end and shall be representative of the lot under test.

NOTES:

- 1 The method of sample selection is a matter for agreement between the parties concerned.

* The Textile Institute, *Textile Terms and Definitions*.