PD CEN ISO/TS 20342-10:2022



BSI Standards Publication

Assistive products for tissue integrity when lying down

Part 10: Guide to cleaning, disinfecting and care of polyurethane APTI covers

bsi.

National foreword

This Published Document is the UK implementation of CEN ISO/TS 20342-10:2022. It is identical to ISO/TS 20342-10:2022.

The UK participation in its preparation was entrusted to Technical Committee CH/173, Assistive products for persons with disability.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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European foreword

This document (CEN ISO/TS 20342-10:2022) has been prepared by Technical Committee ISO/TC 173 "Assistive products" in collaboration with Technical Committee CEN/TC 293 “Assistive products and accessibility” the secretariat of which is held by SIS.

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Endorsement notice

The text of ISO/TS 20342-10:2022 has been approved by CEN as CEN ISO/TS 20342-10:2022 without any modification.

Contents

Page

Foreword ..... **iv**
Introduction ..... **v**
1 Scope **1**
2 Normative references **1**
3 Terms and definitions **1**
4 Cleaning, disinfection and care **2**
4.1 General 2
4.2 Cleaning 2
4.2.1 General 2
4.2.2 Cleaning process 2
4.3 Disinfection 2
4.3.1 Disinfection process 2
4.3.2 Further considerations 2
4.4 Care of APTI covers 3
4.4.1 Storage 3
4.4.2 Before use 3
4.4.3 Damage prevention 3
Bibliography **4**

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 173, *Assistive products,* in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 293, *Assistive products and accessibility,* in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

A list of all parts in the ISO 20342 series can be found on the ISO website.

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Introduction

Most healthcare assistive products for tissue integrity when lying down (APTIs) include a polyurethane-coated protective, waterproof, moisture vapour permeable cover, which is designed to protect the internal components of the APTI from damage, while still allowing the tissue integrity functions of the APTI to be effective.

As a class of materials, polyurethanes are very varied - from hard plastics used in ski-boots and car suspension components to stretchy elastomers used in wound dressings and APTI covers. Even the stretchy elastomers used for the APTI cores and covers incorporate a wide variety of polymer chemistry offering different characteristics.

Polyurethane APTI covers are 'soft surfaces', and even the most chemically resistant types are not immune to the aggressive ingredients used in some disinfectants used to treat 'hard surfaces'.

Furthermore, polyurethane APTI covers are more vulnerable to abrasion when wet.

These guidelines for handling APTI polyurethane covers are intended to lead to less damage to the covers and a longer life for the APTI. Other aspects relating to the materials, effectiveness, and durability of APTIs are covered in other parts of the ISO 20342 series.

This document is derived from S3I/NPIAP (2020)[1] and BHTA guidance on the care, cleaning and inspection of healthcare mattresses[2].

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TECHNICAL SPECIFICATION **ISO/TS 20342-10:2022(E)**

Assistive products for tissue integrity when lying down —

Part 10: Guidance to cleaning, disinfecting and care of polyurethane APTI covers

1 Scope

This document provides guidance around best practices for cleaning, disinfecting and caring for the polyurethane covers for assistive products for tissue integrity when lying down (APTIs) where the covers are designed to protect the internal components of the APTI from damage. Adherence to this guidance will extend the operational life of the APTI and its tissue integrity performance.

This document gives guidance for cleaning and disinfecting by manual means only.

This document is not intended to give guidance related to the efficacy of the cleaning and disinfection procedures.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 20342-1, *Assistive products for tissue integrity when lying down — Part 1: General requirements*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 20342-1 and the following apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

3.1
assistive product for tissue integrity
APTI
surface intended to protect body tissue, designed to interface with the body when lying down or in adjusted position

[SOURCE: ISO 20342-1:—[1)], 3.5]

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