

<b>STN</b>	<b>Pomocné výrobky na zachovanie integrity tkanív imobilných pacientov</b> <b>Časť 5: Skúšobná metóda na odolnosť voči čisteniu a dezinfekcii (ISO 20342-5: 2024)</b>	<b>STN</b> <b>EN ISO 20342-5</b>  84 7078
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Assistive products for tissue integrity when lying down - Part 5: Test method for resistance to cleaning and disinfection (ISO 20342-5:2024)

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 11/24

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## Assistive products for tissue integrity when lying down - Part 5: Test method for resistance to cleaning and disinfection (ISO 20342-5:2024)

Produits d'assistance pour l'intégrité des tissus en position allongée - Partie 5: Méthode d'essai pour déterminer la résistance au nettoyage et à la désinfection (ISO 20342-5:2024)

Unterstützende Produkte zur Gewebeintegrität im Liegen - Teil 5: Reinigungs- und Desinfektionsbeständigkeit (ISO 20342-5:2024)

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**EN ISO 20342-5:2024 (E)**

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## **European foreword**

This document (EN ISO 20342-5:2024) 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.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 2025, and conflicting national standards shall be withdrawn at the latest by March 2025.

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## **Endorsement notice**

The text of ISO 20342-5:2024 has been approved by CEN as EN ISO 20342-5:2024 without any modification.



# International Standard

**ISO 20342-5**

## **Assistive products for tissue integrity when lying down —**

### **Part 5: Test method for resistance to cleaning and disinfection**

*Produits d'assistance pour l'intégrité des tissus en position allongée —*

*Partie 5: Méthode d'essai pour déterminer la résistance au nettoyage et à la désinfection*

**First edition  
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## ISO 20342-5:2024(en)

### Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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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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## ISO 20342-5:2024(en)

### Introduction

Assistive products for tissue integrity (APTIs) play a very important role in the prevention and treatment of pressure injuries. Healthcare workers implement prevention and treatment strategies which include risk assessment, skin monitoring and repositioning. Guidance for their use can be found in the NPUAP/EPUAP/PPPIA Guidelines, “Prevention and Treatment of Pressure Ulcers: Clinical Practice Guideline”<sup>[2]</sup>.

It is common practice for APTIs to be cleaned and disinfected on a regular basis. Many cleaning and disinfection protocols exist today, and also new protocols are likely to be introduced in the future. One of the most frequently used protocols for disinfection is wiping the surface of the APTI with liquid disinfectants that can contain a multitude of active chemical ingredients. Some of these active chemicals can severely degrade the surface of the APTI, leading to a reduced or even a complete loss of some of its performance characteristics.

A typical change of performance caused by surface cleaning and disinfection with liquid cleaners or disinfectants is the degradation of the waterproof barrier of the APTI surface. This in turn can lead to microbial contamination in the APTI.

The test method described in this document provides an evaluation method to measure the resistance of the APTI surface to the liquid chemical cleaners or disinfectants used.

# Assistive products for tissue integrity when lying down —

## Part 5:

# Test method for resistance to cleaning and disinfection

## 1 Scope

This document specifies a test method to evaluate the effects of liquid cleaners and disinfectants on the properties of waterproof coated textiles that are used as the protective outer surface of assistive products for tissue integrity (APTIs).

The test method is not applicable to outer surfaces of APTIs that are not sufficiently drapeable.

The test addresses degradation by pure chemical contact time only, it does not address degradation by other factors, such as abrasion.

## 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 811, *Textiles — Determination of resistance to water penetration — Hydrostatic pressure test*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**