

भारतीय मानक ब्यूरो

BUREAU OF INDIAN STANDARDS

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भारतीय मानक मसौदा

वस्त्रादि फर्श आवरण – रखरखाव और सफाई पर अत्याधुनिक विधियाँ

Draft Indian Standard

Textile Floor Coverings — State of the Art on Maintenance and Cleaning

ICS 97.150

Wool, Wool Products and Textile
Floor Coverings Sectional Committee, TXD 04

Last date for receipt of comments is
23 September 2024

NATIONAL FOREWORD

(Formal clauses will be added later)

This Indian Standard intended to be adopted is identical with ISO/TS 21868 : 2023 ‘Textile floor coverings — State of the art on maintenance and cleaning’ issued by the International Organization for Standardization (ISO).

The text of ISO standard has been approved as suitable for publication as Indian Standard without deviations. Certain conventions are however not identical to those used in Indian Standards.

Attention is particularly drawn to the following:

- a) Wherever the words ‘International Standard’ appears referring to this standard, they should be read as ‘Indian Standard’.
- b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In reporting the result of a test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off, it shall be done in accordance with IS 2 : 2022 ‘Rules for rounding off numerical values (second revision)’.

Extract of ISO/TS 21868:2023 ‘Textile floor coverings — State of the art on maintenance and cleaning’

Foreword

This second edition cancels and replaces the first edition (ISO/TS 21868:2021), which has been technically revised.

The main changes are as follows:

- i) clarifications to the terms and definitions were added;
- ii) clarifications to the requirements were added;
- iii) Table 1 “Fibre identification burn test” was deleted.

Introduction

This document is designed for legislators, related enterprise associations, textile floor coverings manufacturers, and textile floor covering maintenance and cleaning enterprises to develop their own specific textile floor covering maintenance or/and cleaning standards or procedures in accordance with the local conditions. Due to diversity of different regions in climates, customs and developing levels in the world, it is extremely difficult to create a specific textile floor covering maintenance and cleaning standard as a template which is globally workable. In addition, the factors which impact the result of cleaning are so abundant and the combinations of these factors are so tremendous that particular programmes are necessary to acquire the best result of textile floor covering cleaning.

This guidance standard manages to list all the factors which affect the final results of cleaning, against which legislators, relative enterprises associations and textile floor covering maintenance and cleaning enterprises are able to establish the above-mentioned particular programmes (procedures or criteria) in their standards accordingly. Therefore, this standard is not intended to be used by end-users to perform any specific maintenance and cleaning jobs.

This comprehensive guidance standard is intended to pave the way for legislators and related enterprise associations to establish specific standards for:

- i) regulating the development of the textile floor covering cleaning industry,
- ii) promoting the development of the textile floor covering cleaning detergent and equipment industry,

iii) improving textile floor covering cleaning techniques, and

iv) improving sales of textile floor coverings,

since specific textile floor covering maintenance and cleaning standards are still absent in most nations.

NOTE — The term "textile floor coverings" applies to wall-to-wall carpets, broadloom carpets, rugs, mat and tile carpets.

1 Scope

This document gives guidelines for the development of specific textile floor covering maintenance and cleaning standards, procedures and criteria to reflect local specific conditions. This document specifies the factors which will impact the final results of textile floor covering cleaning, defining maintenance and cleaning terms to highlight differences. It establishes textile floor covering maintenance and cleaning as achieving a low-cost, non-residue and environmentally friendly cleaning under the premise of maximizing the use value of textile floor covering.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

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

- i) ISO Online browsing platform: available at <https://www.iso.org/obp>
- ii) IEC Electropedia: available at <https://www.electropedia.org/>

3.1 Soil

Any matter that is foreign to the construction of the textile floor covering

Note 1 to entry: Soil includes spill, spot, stain, and residue.

3.2 Spill

Wet, dry, oily or combination states of matter that are accidentally deposited on the textile floor covering

Note 1 to entry: Depending on the composition of the spill, quick response time and cleaning procedures can assist in minimizing the probability of a spill becoming a spot or a stain.

3.3 Spot

Foreign material on the surface of a fibre, usually changing the texture of the fibre

EXAMPLE:

Sticky, oily, greasy, stiff.

Note 1 to entry: Spots can usually be removed. However, some spots, if left untreated for too long, can become stains.

3.4 Stain

Indication of the addition of colour, frequently in liquid or pigment form that has been strongly attracted to the textile floor covering fibre

Note 1 to entry: This added dye or pigment can bind to a dye site and actually alter the structure of the fibre. Not all stains respond positively to removal efforts.

3.5 Residue

The foreign materials left in the cleaned textile floor coverings, which is originated from the detergents

3.6 Interim cleaning

Removal of topical appearance soil from textile flooring and return of the textile floor covering to a dry and usable state within a short period of time

3.7 Restorative cleaning

Thorough removal of soil both on the textile floor covering surface and embedded within the textile floor covering construction

FORMAT FOR SENDING COMMENTS ON BIS DOCUMENTS

(Please use A4 size sheet of paper only and type within fields indicated. Comments on each clause/sub clause/table/fig etc. be started on a fresh box. Information in column 3 should include reasons for the comments and suggestions for modified working of the clauses when the existing text is found not acceptable. Adherence to this format facilitates Secretariat’s work)

Please e-mail your comments to txd@bis.gov.in or faxed on 011-23231282.

NAME OF THE COMMENTATOR/ORGANIZATION:

DOCUMENT NO: TXD 04 (26145)

Item, Clause Sub-Clause No. Commented upon (Use Separate Box afresh)	Comments	Specific Proposal (Draft clause to be add/amended)	Remarks	Technical References and justification on which (2), (3), (4) are based
(1)	(2)	(3)	(4)	(5)