

Resilient floor coverings — Determination of dimensional stability and curling after exposure to heat

ICS 97.150

National foreword

This British Standard is the UK implementation of EN ISO 23999:2012. It supersedes BS ISO 23999:2008 and BS EN 434:1994, which are withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PRI/60, Resilient floor coverings.

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

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Date	Comments
30 June 2012	This corrigendum renumbers BS ISO 23999:2008 as BS EN ISO 23999:2012, supersession details revised

English Version

**Resilient floor coverings - Determination of dimensional stability
and curling after exposure to heat (ISO 23999:2008)**

Revêtements de sol résilients - Détermination de la stabilité
dimensionnelle et de l'incurvation après exposition à la
chaleur (ISO 23999:2008)

Elastische Bodenbeläge - Bestimmung der Maßänderung
und Schüsselung nach Wärmeeinwirkung (ISO
23999:2008)

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Management Centre: Avenue Marnix 17, B-1000 Brussels

Foreword

The text of ISO 23999:2008 has been prepared by Technical Committee ISO/TC 219 “Floor coverings” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 23999:2012 by Technical Committee CEN/TC 134 “Resilient, textile and laminate floor coverings” the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by August 2012, and conflicting national standards shall be withdrawn at the latest by August 2012.

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Endorsement notice

The text of ISO 23999:2008 has been approved by CEN as a EN ISO 23999:2012 without any modification.

Resilient floor coverings — Determination of dimensional stability and curling after exposure to heat

1 Scope

This International Standard specifies a method for determining dimensional stability and curling of resilient floor coverings, in the form of sheets and tiles, in linear dimensions after exposure to heat.

2 Terms and definitions

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

2.1

dimensional stability

ability of a resilient floor covering to retain its original dimensions after exposure to heat, under specified conditions

2.2

curling

vertical deformation appearing on the specimen after exposure to a heat treatment, under specified conditions

2.3

domed

reverse curl

when centered, area of specimen that does not lie flat against support plate

3 Principle

3.1 Dimensional stability

The relative change in distance between marks or a specific location on a test specimen is measured before and after exposure to a heat treatment, under specified conditions. In the case of tiles, measurements may be made using a block and dial gauge assembly and marking of the test specimen is not necessarily required.

3.2 Curling

The vertical deformations are measured in the test specimen after the specified heat treatment.

Test specimens are placed in an oven at an elevated temperature, after which curl and dimensional stability are determined. In the case of domed material, turn the test specimen over to measure inverted or with the back of the sample facing up. Measure curl and mark appropriately as negative curl.