

**Resilient floor coverings - Determination of flexibility
and deflection (ISO 24344:2008)**

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NATIONAL FOREWORD

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English Version

Resilient floor coverings - Determination of flexibility and deflection (ISO 24344:2008)

Revêtements de sol résilients - Détermination de la flexibilité et de la déformation (ISO 24344:2008)

Elastische Bodenbeläge - Bestimmung der Flexibilität und Durchbiegung (ISO 24344:2008)

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Foreword

The text of ISO 24344:2008 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 24344:2012 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of an identical text or by endorsement, at the latest by August 2012, and conflicting national standards shall be withdrawn at the latest by August 2012.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 24344:2008 has been approved by CEN as a EN ISO 24344:2012 without any modification.

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Resilient floor coverings — Determination of flexibility and deflection

1 Scope

This International Standard specifies methods for determining the flexibility and deflection of resilient floor coverings.

2 Terms and definitions

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

2.1

flexibility

ability of a resilient floor covering to be bent without breaking or cracking

3 Principle

3.1 Method A (for determining flexibility)

The test piece shall be bent 180° around a mandrel under specified conditions.

3.2 Method B (for determining deflection)

The test piece is deformed with a cylinder with a radius of curvature much greater than the test piece thickness by a force centred between two fixed supports.

4 Apparatus

4.1 Method A

4.1.1 Fixed metal mandrels, with nominal diameters ($\pm 0,05$ mm) as follows: 120, 110, 100, 90, 80, 70, 60, 55, 50, 45, 40, 35, 30, 25, 20, 15, 10, 7 mm (see Figure 1).

The contacting faces of the rods shall be a minimum of 60 mm in length.

4.1.2 Stand or other device, to firmly support the mandrel in a horizontal position during the test.

4.1.3 Die or knife or similar, to prepare test specimens with uniform smooth edges.