INTERNATIONAL STANDARD

**ISO 24343-3**

First edition
2011-08-15

# Resilient and laminate floor coverings — Determination of indentation and residual indentation —

## Part 3: Indentation of resilient semi-flexible/vinyl composition tiles

*Revêtements de sol résilients et stratifiés — Détermination du poinçonnement et du poinçonnement rémanent —*

*Partie 3: Poinçonnement de carreaux semi-flexibles/carreaux de composition vinylique résilients*



Reference number
ISO 24343-3:2011(E)



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Published in Switzerland

# Foreword

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ISO 24343-3 was prepared by Technical Committee ISO/TC 219, *Floor coverings*.

ISO 24343 consists of the following parts, under the general title *Resilient and laminate floor coverings — Determination of indentation and residual indentation*:

— *Part 1: Residual indentation*

— *Part 2: Short-term residual indentation of resilient floor covering*

— *Part 3: Indentation of resilient semi-flexible/vinyl composition tiles*

# Resilient and laminate floor coverings — Determination of indentation and residual indentation —

## Part 3:
## Indentation of resilient semi-flexible/vinyl composition tiles



## 1 Scope

This part of ISO 24343 describes a method for determining the short-term indentation resistance of resilient semi-flexible/vinyl composition tile (VCT) floor covering after the application of constant load.

## 2 Terms and definitions

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

**2.1**
**indentation**
difference between the initial thickness and the thickness measured after removal of the load

**2.2**
**thickness**
distance between two parallel plates where the floor covering is inserted under a specific load

## 3 Principle

Tests pieces are subjected to static loading at room temperature, the thickness being measured before and during loading at specified dwell periods.

## 4 Apparatus

**4.1** **Water bath**, capable of maintaining a temperature of (23 ± 2,0) °C.

NOTE This is optional.

**4.2** **Indenter**, a straight, steel cylinder of diameter as specified below with a hemispherical tip.

Diameter of the indenter: (6,35 ± 0,01) mm; weight of the indenter: (0,90 ± 0,05) kg.

**4.3** **Rigid, horizontal platform**, of minimum diameter 35 mm.

**4.5** **Device**, by means of which a force of (13,60 ± 0,12) kg can be smoothly applied. The frame shall not deform by more than 0,05 mm measured in the direction of the axis under the maximum force.

**4.5** **Comparator**, for measuring the depth of indentation to ±0,01 mm.