DIN EN ISO 23999:2026-05 (E)

Resilient floor coverings - Determination of dimensional stability and curling (vertical deformation) after exposure to heat (ISO 23999:2025)

Contents

Page

Foreword ... **iv**

1 Scope ... **1**

2 Normative references ... **1**

3 Terms and definitions ... **1**

4 Principle ... **2**
4.1 General ... 2
4.2 Dimensional stability ... 2
4.3 Curling (vertical deformation) ... 2

5 Apparatus ... **2**
5.1 Oven ... 2
5.2 Support plates ... 3

6 Measuring devices ... **3**
6.1 Measurement devices for determination of curling (vertical deformation) ... 3
6.2 Measurement devices for determination of linear dimension changes ... 3
6.2.1 General ... 3
6.2.2 Scoring device ... 3
6.2.3 Rigid steel plate ... 3
6.2.4 Block and dial gauge apparatus (for tiles and planks) ... 4

7 Test specimens ... **6**
7.1 Specimen preparation from sheet or roll material ... 6
7.2 Specimen preparation from tiles and planks ... 8

8 Conditioning ... **8**

9 Test procedure ... **8**
9.1 Initial measurement ... 8
9.1.1 Curling (vertical deformation) ... 8
9.1.2 Linear dimensions ... 9
9.2 Heat exposure ... 10
9.3 Reconditioning ... 10
9.4 Final measurement ... 10
9.4.1 Curling (vertical deformation) ... 10
9.4.2 Linear dimensions ... 10

10 Calculation and expression of results ... **11**
10.1 Curling (vertical deformation) ... 11
10.2 Dimensional change ... 11

11 Test report ... **12**

Annex A (informative) **Measurement of dimensional change due to heat** ... **13**

Annex B (informative) **Calculation and expression of results** ... **14**