ISO 23999:2025-11 (E)

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

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