



NSAI
Standards

Irish Standard
I.S. EN 17368:2020

Laminate floor coverings - Determination of impact resistance with small ball

I.S. EN 17368:2020

Incorporating amendments/corrigenda/National Annexes issued since publication:

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National Foreword

I.S. EN 17368:2020 is the adopted Irish version of the European Document EN 17368:2020, Laminate floor coverings - Determination of impact resistance with small ball

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EUROPEAN STANDARD

EN 17368

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2020

ICS 97.150

English Version

Laminate floor coverings - Determination of impact resistance with small ball

Revêtements de sol stratifiés - Détermination de la résistance aux chocs à l'aide d'une bille de petit diamètre

Laminatböden - Bestimmung der Beständigkeit gegen Stoßbeanspruchung mit kleiner Kugel

This European Standard was approved by CEN on 15 December 2019.

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European foreword

This document (EN 17368:2020) has been prepared by Technical Committee CEN/TC 134 “Resilient, textile and laminate floor coverings”, the secretariat of which is held by NBN.

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of an identical text or by endorsement, at the latest by August 2020, and conflicting national standards shall be withdrawn at the latest by August 2020.

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EN 17368:2020 (E)**1 Scope**

This document specifies a method of assessment of surface resistance to impact with a small ball tester and relates to the surfaces of laminate floor coverings according to EN 13329, EN 14978 or EN 15468. The test is generally carried out on parts of the laminate floor panels with suitable sizes.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

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

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp/ui>

3.1**test panel**

laminate panel which is to be tested

3.2**test specimen**

part of the test panel used for testing

3.3**test field**

part of test surface affected by the impact stress and evaluated

4 Principle

The surfaces are tested by application of impacts by means of a defined dropping weight, which has a spherical impact head with a diameter of 10 mm. The points of impacts are visually examined for damage. The test intensity is raised by gradually changing the falling height of the impact head until at least 1 of 5 impacts at the same falling height leads to a surface damage. The impact resistance is the highest falling height without damages.

5 Apparatus**5.1 Test apparatus****5.1.1 General**

Test apparatus with the following characteristics and parameters (Figure 1: Example of a suitable version of the test apparatus):

5.1.2 Cylindrical impactor, with \varnothing : (25 ± 1) mm with spherical impact head with $(10 \pm 0,5)$ mm diameter of sphere, which is mounted to a dropping weight

5.1.3 Mass of impactor, including impact head: (100 ± 1) g

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