



NSAI
Standards

Irish Standard
I.S. EN 13373:2020

Natural stone test methods - Determination of geometric characteristics on units

I.S. EN 13373:2020

Incorporating amendments/corrigenda/National Annexes issued since publication:

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National Foreword

I.S. EN 13373:2020 is the adopted Irish version of the European Document EN 13373:2020, Natural stone test methods - Determination of geometric characteristics on units

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EUROPEAN STANDARD

EN 13373

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2020

ICS 91.100.15

Supersedes EN 13373:2003

English Version

Natural stone test methods - Determination of geometric characteristics on units

Méthodes d'essai pour pierres naturelles -
Détermination des dimensions et autres
caractéristiques géométriques

Prüfverfahren für Naturstein - Bestimmung
geometrischer Merkmale von Gesteinen

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

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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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EN 13373:2020 (E)

European foreword

This document (EN 13373:2020) has been prepared by Technical Committee CEN/TC 246 “Natural stones”, the secretariat of which is held by UNI.

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of an identical text or by endorsement, at the latest by July 2020, and conflicting national standards shall be withdrawn at the latest by July 2020.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 13373:2003.

The significant changes with respect to the previous edition are listed below:

- figures have been revised;
- editorial changes have been made.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1 Scope

This document describes methods for verifying the geometric characteristics of products of natural stone such as rough blocks, rough slabs, finished products for cladding, flooring, stairs and modular tiles and paving units (slabs, setts and kerbs). These methods can be applied in the case of a dispute between two parties, they are not compulsory for production control.

Other measuring equipment can be used as long as their precision can be demonstrated to be equal or better than the ones mentioned here.

It is essential that all weighing, measuring and testing equipment are calibrated or retraceable to measurement standards and regularly inspected according to documented procedures, frequencies and criteria. It is important that the expression of the dimensional characteristics is in accordance with the appropriate class of the measured product.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

No terms and definitions are listed in this document.

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 <http://www.iso.org/obp>

4 Measurement of the dimensions of squared rough blocks

4.1 Measurement of the gross dimensions of squared rough blocks

4.1.1 Principle

Measurement of the dimensions of the smallest rectangular cuboid with straight edges that contains a rough block.

4.1.2 Apparatus

- A rigid ruler of appropriate length graduated in 0,01 m.

4.1.3 Measurement procedure

The gross length x_{gross} , the gross width y_{gross} and the gross height z_{gross} of the block are measured in the following manner:

- Define the smallest cuboid that can encompass the rough block.
- Estimate by projection the gross dimensions of the block x_{gross} , y_{gross} and z_{gross} (see Figure 1).
- Take measurements expressed in metres to the nearest 0,01 m at i places (minimum 3) for each direction x_i , y_i , z_i where visually the largest dimensions occur.

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