

Natural stone test methods — Determination of frost resistance

ICS 73.020; 91.100.15

National foreword

This British Standard is the UK implementation of EN 12371:2010. It supersedes BS EN 12371:2001 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee B/545, Natural stone.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

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Natural stone test methods - Determination of frost resistance

Méthodes d'essai pour pierres naturelles - Détermination
de la résistance au gel

Prüfverfahren für Naturstein - Bestimmung des
Frostwiderstandes

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Foreword

This document (EN 12371:2010) 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of an identical text or by endorsement, at the latest by September 2010, and conflicting national standards shall be withdrawn at the latest by September 2010.

This document supersedes EN 12371:2001.

This European Standard is one of the series of standards for tests on natural stone.

Test methods for natural stone consist of the following European Standards:

EN 1925	Natural stone test methods – Determination of water absorption coefficient by capillarity
EN 1926	Natural stone test methods – Determination of uniaxial compressive strength
EN 1936	Natural stone test methods – Determination of real density and apparent density, and of total and open porosity.
EN 12370	Natural stone test methods – Determination of resistance to salt crystallisation
EN 12372	Natural stone test methods – Determination of flexural strength under concentrated load
EN 12407	Natural stone test methods – Petrographic examination
EN 13161	Natural stone test methods – Determination of flexural strength under constant moment
EN 13364	Natural stone test methods – Determination of the breaking load at dowel hole
EN 13373	Natural stone test methods – Determination of geometric characteristics on units
EN 13755	Natural stone test methods – Determination of water absorption at atmospheric pressure
EN 14066	Natural stone test methods – Determination of resistance to ageing by thermal shock
EN 14146	Natural stone test methods – Determination of the dynamic modulus of elasticity (by measuring the fundamental resonance frequency)
EN 14147	Natural stone test methods – Determination of resistance to ageing by salt mist
EN 14157	Natural stone test methods – Determination of the abrasion resistance
EN 14158	Natural stone test methods – Determination of rupture energy
EN 14205	Natural stone test methods – Determination of Knoop hardness
EN 14231	Natural stone test methods – Determination of the slip resistance by means of the pendulum tester
EN 14579	Natural stone test methods – Determination of sound speed propagation
EN 14580	Natural stone test methods – Determination of static elastic modulus
EN 14581	Natural stone test methods – Determination of linear thermal expansion coefficient

It is intended that other ENs should call up this European Standard as the basis of evaluation of conformity.

NOTE It is not intended that all natural stones products should be subjected regularly to all the listed tests. Specifications in other standards should call up only relevant test methods.

According to the CEN/CENELEC Internal Regulations, the national standards organizations 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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.