

**Natural stone test methods -  
Determination of sound speed  
propagation**

Natural stone test methods - Determination of sound  
speed propagation

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 14579:2004 sisaldab Euroopa standardi EN 14579:2004 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 21.12.2004 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 14579:2004 consists of the English text of the European standard EN 14579:2004.</p> <p>This document is endorsed on 21.12.2004 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p><b>Käsitlusala:</b> The European Standard specifies a method for the determination of the velocity of propagation of pulses of ultrasonic longitudinal waves in natural stone, both in laboratory and in situ.</p>	<p><b>Scope:</b> The European Standard specifies a method for the determination of the velocity of propagation of pulses of ultrasonic longitudinal waves in natural stone, both in laboratory and in situ.</p>
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**ICS** 73.020, 91.100.15

**Võtmesõnad:**

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ICS 73.020; 91.100.15

English version

## Natural stone test methods - Determination of sound speed propagation

Méthodes d'essai pour pierres naturelles - Détermination de la vitesse de propagation du son

Prüfverfahren für Naturstein - Bestimmung der Geschwindigkeit der Schallausbreitung

This European Standard was approved by CEN on 23 August 2004.

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## Foreword

This document (EN 14579:2004) 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of an identical text or by endorsement, at the latest by April 2005, and conflicting national standards shall be withdrawn at the latest by April 2005.

This standard is one of the series for tests on natural stone.

Test methods for natural stone consist of the following parts:

EN 1925, *Natural stone test methods – Determination of water absorption coefficient by capillarity*

EN 1926, *Natural stone test methods – Determination of 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 13919, *Natural stone test methods – Determination of resistance to ageing by SO<sub>2</sub> action in the presence of humidity*

EN 14066, *Natural stone test methods – Determination of resistance to ageing by thermal shock*

EN 14147, *Natural stone test methods – Determination of resistance to ageing by salt mist*

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 14157:2004, *Natural stone test methods – Determination of abrasion resistance*

EN 14158:2004, *Natural stone test methods – Determination of rupture energy*

EN 14579:2004, *Natural stone test methods – Determination of sound speed propagation*

prEN 14580:2002, *Natural stone test methods – Determination of the static elastic modulus*

prEN 14581:2002, *Natural stone test methods – Determination of linear thermal expansion coefficient*

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