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NSAI Standards

Irish Standard
I.S. EN 12504-2:2012

Testing concrete in structures - Part 2: Non-destructive testing - Determination of rebound number

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 12504-2

September 2012

ICS 91.100.30

Supersedes EN 12504-2:2001

English Version

Testing concrete in structures - Part 2: Non-destructive testing - Determination of rebound number

Essais pour béton dans les structures - Partie 2: Essais non destructifs - Détermination de l'indice de rebondissement

Prüfung von Beton in Bauwerken - Teil 2: Zerstörungsfreie Prüfung - Bestimmung der Rückprallzahl

This European Standard was approved by CEN on 13 July 2012.

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Foreword

This document (EN 12504-2:2012) has been prepared by Technical Committee CEN/TC 104 “Concrete and related products”, the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by March 2013, and conflicting national standards shall be withdrawn at the latest by March 2013.

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

This document supersedes EN 12504-2:2001.

This document is based on the International Standard ISO 1920-7, *Testing of concrete – Part 7: Non-destructive tests on hardened concrete*, and reference has been made to ASTM C805, *Standard Test Method for Rebound number of hardened concrete*.

This document has been framed around the use of a Type N, spring driven steel hammer, originally designed by Schmidt.

This European Standard is one of a series of test methods for concrete.

The series EN 12504 "Testing concrete in structures" consists of the following parts:

— *Part 1: Cored specimens — Taking, examining and testing in compression;*

— *Part 2: Non-destructive testing — Determination of rebound number;*

— *Part 3: Determination of pull-out force;*

— *Part 4: Determination of ultrasonic pulse velocity.*

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

a) editorial revision;

b) clarification to the procedure for carrying out the test and indicates the required specification of the equipment to be used;

c) the option of using an electronic measuring device as well as the mechanical version.

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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