



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 12390-4:2000

ICS 91.100.30

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**TESTING HARDENED CONCRETE -  
PART 4: COMPRESSIVE STRENGTH -  
SPECIFICATION FOR TESTING MACHINES**

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Údarás um Chaighdeáin Náisiúnta na hÉireann



**DECLARATION**

OF

**SPECIFICATION**

ENTITLED

**TESTING HARDENED CONCRETE - PART 4: COMPRESSIVE STRENGTH -  
SPECIFICATION FOR TESTING MACHINES**

AS

**THE IRISH STANDARD SPECIFICATION FOR**

**TESTING HARDENED CONCRETE - PART 4: COMPRESSIVE STRENGTH -  
SPECIFICATION FOR TESTING MACHINES**

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NSAI in exercise of the power conferred by section 16 (3) of the National Standards Authority of Ireland Act, 1996 (No. 28 of 1996) and with the consent of the Minister for Enterprise, Trade and Employment, hereby declares as follows:

1. This instrument may be cited as the Standard Specification (Testing hardened concrete - Part 4: Compressive strength - Specification for testing machines) Declaration, 2000.

2. (1) The Specification set forth in the schedule to this declaration is hereby declared to be the standard specification for Testing hardened concrete - Part 4: Compressive strength - Specification for testing machines. The Schedule comprises the text of EN 12390-4:2000.

(2) The said standard specification may be cited as Irish Standard EN 12390-4:2000 or as I.S. EN 12390-4:2000.



EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 12390-4**

April 2000

ICS 91.100.30

English version

## Testing hardened concrete - Part 4: Compressive strength - Specification for testing machines

Essais pour béton durci - Partie 4: Résistance en  
compression - Caractéristiques des machines d'essai

Prüfung von Festbeton - Teil 4: Bestimmung der  
Druckfestigkeit - Anforderungen an Prüfmaschinen

This European Standard was approved by CEN on 1 November 1999.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPAISCHES KOMITEE FÜR NORMUNG

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

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**Foreword**

This European Standard has been prepared by Technical Committee CEN/TC 104 "Concrete (performance, production, placing and compliance criteria)", 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 October 2000, and conflicting national standards shall be withdrawn at the latest by December 2003.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

This Standard is one of a series concerned with testing concrete.

During the 1980s a number of countries found it necessary to introduce standards to specify more precisely the performance of compression machines for testing concrete specimens. This standard has been written to continue this movement and to overcome the present lack of a European Standard.

A draft for this standard was published in 1996 for CEN enquiry as prEN 12390. It was one of a series of individually numbered test methods for fresh or hardened concrete. For convenience it has now been decided to combine these separate draft standards into three new standards with separate parts for each method, as follows:

- Testing fresh concrete (EN 12350)
- Testing hardened concrete (EN 12390)
- Testing concrete in structures (EN 12504)

This series EN 12390 includes the following parts where the brackets give the numbers under which particular test methods were published for CEN enquiry:

- Part 1: Shape, dimensions and other requirements of specimens and moulds (former prEN 12356:1996)
- Part 2: Making and curing specimens for strength tests (former prEN 12379:1996)
- Part 3: Compressive strength of test specimens (former prEN 12394:1996)

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