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NSAI Standards

Irish Standard
I.S. EN 13383-1:2002

Armourstone - Part 1: Specification

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I.S. EN 13383-1:2002

Incorporating amendments/corrigenda/National Annexes issued since publication:

EN 13383-1:2002/AC:2004
I.S. EN 13383-1:2002/NA:2010

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I.S. xxx: Irish Standard – national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation - recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

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National Foreword

This Irish Standard is the national version of European Standard EN 13383-1 *Armourstone – Part 1: Specification* and includes a national annex that provides additional information and guidance to complement EN 13383-1.

The National Annex was prepared by Working Group 1 of NSAI Construction Products Standards Committee and subsequently sent for public consultation. The appended National Annex represents the final agreed text following this public consultation.

Requirements for the intended use of armourstone are defined in National Annex NA of I.S. EN 13383-1.

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

Compliance with an Irish Standard does not of itself confer immunity from legal obligations.

In line with international standards the decimal point is shown as a comma (,) throughout this document.

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 13383-1:2002/AC

May 2004

ICS 91.100.15

English version

Armourstone - Part 1: Specification

Enrochements - Partie 1 : Spécifications

Wasserbausteine - Teil 1: Anforderungen

This corrigendum becomes effective on 26 May 2004 for incorporation in the three official language versions of the EN.

Ce corrigendum prendra effet le 26 mai 2004 pour incorporation dans les trois versions linguistiques officielles de la EN.

Die Berichtigung tritt am 26.Mai 2004 zur Einarbeitung in die drei offiziellen Sprachfassungen der EN in Kraft.

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

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EN 13383-1:2002/AC:2004 (E)

English version

1 Scope

Delete NOTE 1 and substitute with the new NOTE 1 shown below.

"NOTE 1 Armourstone used in construction should comply with all the requirements of this European Standard. As well as familiar and traditional natural and manufactured armourstone Mandate M/125 “Aggregates” included recycled armourstone and some materials from new or unfamiliar sources. Recycled armourstone are included in the standards and new test methods for them are at an advanced stage of preparation. For unfamiliar materials from secondary sources, however, the work on standardisation has only started recently and more time is needed to define clearly the origins and characteristics of these materials. In the meantime such unfamiliar materials when placed on the market as armourstone must comply fully with this standard and national regulations for dangerous substances (see Annex ZA of the standard) depending upon their intended use. Additional characteristics and requirements may be specified on a case by case basis depending upon experience of use of the product, and defined in specific contractual documents."

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 13383-1

May 2002

ICS 91.100.15

English version

Armourstone - Part 1: Specification

Enrochements - Partie 1: Spécifications

Wasserbausteine - Teil 1: Anforderungen

This European Standard was approved by CEN on 25 March 2002.

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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 Management Centre has the same status as the official versions.

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Foreword

This document EN 13383-1:2002 has been prepared by Technical Committee CEN/TC 154 "Aggregates", the secretariat of which is held by BSI.

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 November 2002, and conflicting national standards shall be withdrawn at the latest by June 2004.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative annex ZA, which is an integral part of this document.

This standard forms part of a series of standards for armourstone, the other part being:

EN 13383-2 *Armourstone - Part 2: Test methods.*

Requirements for other end uses of aggregates will be specified in the following European Standards:

prEN 12620 *Aggregates for concrete.*
prEN 13043 *Aggregates for bituminous mixtures and surface dressings for roads.*
EN 13055 *Lightweight aggregates.*
prEN 13139 *Aggregates for mortar.*
prEN 13242 *Aggregates for unbound and hydraulically bound materials for use in civil engineering work and road construction.*
prEN 13450 *Aggregates for railway ballast.*

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, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

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1 Scope

This European Standard specifies the properties of aggregates obtained by processing natural, manufactured or recycled materials and mixtures of these materials for use as armourstone.

It provides for the evaluation of conformity of the products to this European Standard.

NOTE 1 The requirements in this European Standard are based upon experience with armourstone types with an established pattern of use. Care should be taken when considering the use of armourstone from sources with no such pattern of use, e.g., recycled armourstone and armourstone arising from certain industrial by-products. Such armourstone, which should comply with all the requirements of this European Standard, could have other characteristics not included in Mandate M 125 that do not apply to the generality of armourstone types with an established pattern of use and when required, provisions valid at the place of use can be used to assess their suitability.

NOTE 2 Finer aggregates than specified in this European Standard are used in hydraulic structures. For such aggregates European Standards for other end uses of aggregates should be applied.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 932-3, *Tests for general properties of aggregate — Part 3: Procedure and terminology for simplified petrographic description.*

EN 932-5, *Tests for general properties of aggregate — Part 5: Common equipment and calibration.*

EN 933-3, *Tests for geometrical properties of aggregates — Part 3: Determination of particle shape — Flakiness index.*

EN 1097-1, *Tests for mechanical and physical properties of aggregates — Part 1: Determination of the resistance to wear (micro-Deval).*

EN 1367-2, *Tests for thermal and weathering properties of aggregates — Part 2: Magnesium sulfate test.*

EN 1744-1:1998, *Tests for chemical properties of aggregates — Part 1: Chemical analysis.*

prEN 1744-3, *Tests for chemical properties of aggregates — Part 3: Preparation of eluates by leaching of aggregates.*

EN 1926:1999, *Methods of test for natural stones — Determination of compressive strength.*

EN 13383-2:2002, *Armourstone — Part 2: Test methods.*

3 Terms and definitions

For the purposes of this European Standard, the following terms and definitions apply.

3.1
armourstone
coarse aggregates used in hydraulic structures and other civil engineering works

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