

Betoonvalmistooted. Tarade elemendid

Precast concrete elements - Elements for fences

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 12839:2002 sisaldab Euroopa standardi EN 12839:2001 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 16.01.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 12839:2002 consists of the English text of the European standard EN 12839:2001.</p> <p>This document is endorsed on 16.01.2002 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>
--	---

<p>Käsitlusala:</p> <p>This standard covers prefabricated concrete elements (in reinforced or prestressed concrete) which can be used together or in combination with other elements to erect fences e.g boundary fences.</p>	<p>Scope:</p> <p>This standard covers prefabricated concrete elements (in reinforced or prestressed concrete) which can be used together or in combination with other elements to erect fences e.g boundary fences.</p>
--	--

ICS 91.090, 91.100.30

Võtmesõnad: conformity tests, dim, fences, foundations, piles, precast concrete parts, prefabricated, prefabricated parts, production, production control, properties, quality, quality requirements, specification (approval), specifications, stability, tensile strength, testing

ICS 91.090; 91.100.30

English version

Precast concrete products
Elements for fences

Produits préfabriqués en béton –
Éléments pour clôtures

Vorgefertigte Betonerzeugnisse –
Betonelemente für Zäune

This European Standard was approved by CEN on 2001-03-02.

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 Management Centre or to any CEN member.

The European Standards exist 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.

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

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Management Centre: rue de Stassart 36, B-1050 Brussels

Contents

	Page
Foreword	2
1 Scope	3
2 Normative references	3
3 Terms and definitions	3
4 Requirements	6
5 Test methods	13
6 Evaluation of conformity	22
7 Marking and labelling	25
Annex A (informative) Basic types of fences - Terminology	27
Annex B (normative) Index of references for surface finish as cast - Reference photographs used to appreciate the incidence of blownotes in surfaces	33
Annex C (informative) Factory production control procedures	36
Annex D (informative) Acceptance testing of a consignment at delivery	39
Annex E (normative) Test of water absorption	41
Annex ZA (informative) Clauses of this European Standard addressing the provisions of the EU Construction Products Directive	42
Bibliography	45

Foreword

This European Standard has been prepared by Technical Committee CEN/TC 229 "Precast concrete products", the secretariat of which is held by AFNOR.

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 2001, and conflicting national standards shall be withdrawn at the latest by February 2003.

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

For relationship with EC Directive(s), see informative Annex ZA, which is an integral part of this standard.

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.

1 Scope

This European standard covers prefabricated concrete elements (in reinforced or prestressed concrete) which can be used together or in combination with other elements to erect fences e.g. boundary fences.

The intended uses may be nonstructural or lightly structural.

The current concrete elements include posts, solid or open panels, slabs, rails, spurs, struts and base panels.

It provides for the evaluation of conformity of elements to this European Standard. Marking conditions are included.

NOTE Annex A intends to provide information on the possible types of fences in which these elements may be part of.

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 206-1:2000, *Concrete - Performance, production and conformity*

EN 12350-1, *Testing fresh concrete – Part 1: Sampling*

EN 12390-1, *Testing hardened concrete – Part 1: Shape, dimensions and other requirements for specimens and moulds*

EN 12390-2, *Testing hardened concrete – Part 2: Making and curing specimens for strength tests*

prEN 12390-3:2001, *Testing hardened concrete – Part 3: Compressive strength of test specimens*

EN 12390-4, *Testing hardened concrete – Part 4: Compressive strength - Specification for testing machine*

3 Terms and definitions

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

3.1 Types of fences

Annex A provides illustrations of typical fences

3.1.1

solid fence

fence made of posts and solid panels or cladding

3.1.2

open-work fence

fence made of posts and open-work panels possibly including solid panels

3.1.3

mesh or wire fence

fence made of posts and woven or welded wire mesh, and/or wires