

DIN EN 15258**DIN**

ICS 91.100.30; 93.020

See start of validity

**Precast concrete products –
Retaining wall elements
English version of DIN EN 15258:2009-05**

Betonfertigteile –
Stützwandelemente
Englische Fassung DIN EN 15258:2009-05

Document comprises 33 pages



Start of validity

This standard is due to take effect on 1 July 2009.

It should be noted that, in Germany, CE conformity marking of construction products will be permitted once this standard has been listed in the *Bundesanzeiger* (German Federal Law Gazette) and from the date given therein.

National foreword

This standard has been prepared by Technical Committee CEN/TC 229 "Precast concrete products" (Secretariat: AFNOR, France).

The responsible German body involved in its preparation was the *Normenausschuss Bauwesen* (Building and Civil Engineering Standards Committee), Technical Committee NA 005-07-08 AA *Betonfertigteile* (Sp CEN/TC 229).

EUROPEAN STANDARD

EN 15258

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2008

ICS 91.100.30

English Version

Precast concrete products - Retaining wall elements

Produits préfabriqués en béton - Éléments de murs de soutènement

Betonfertigteile - Stützwandelemente

This European Standard was approved by CEN on 25 July 2008.

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 CEN Management Centre 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 CEN Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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

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

Contents

Page

The numbering of clauses is strictly related to EN 13369:2004, *Common rules for precast concrete products*, at least for the first three digits. When a clause of EN 13369:2004 is not relevant or included in a more general reference of this standard, its number is omitted and this may result in a gap on numbering.

Foreword	4
Introduction	6
1 Scope	7
2 Normative references	7
3 Terms and definitions	8
4 Requirements	8
4.1 Material requirements	8
4.2 Production requirements	8
4.2.1 Concrete production	8
4.2.2 Hardened concrete	8
4.2.3 Structural reinforcement	8
4.3 Finished product requirements	9
4.3.1 Geometrical properties	9
4.3.2 Surface characteristics	9
4.3.3 Mechanical resistance	9
4.3.5 Acoustic properties	9
4.3.6 Thermal properties	10
4.3.7 Durability	10
4.3.8 Other requirements	10
5 Test methods	10
5.1 Tests on concrete	10
5.2 Measuring of dimensions and surface characteristics	10
5.2.1 General	10
5.2.2 Position of reinforcement	10
5.2.3 Wall element dimensions	11
5.3 Weight of the products	11
5.4 Load test of elements	11
6 Evaluation of conformity	11
7 Marking	11
8 Technical documentation	11
Annex A (normative) Inspection schemes	12
A.1 General	12
A.2 Process inspection	12
A.3 Finished product inspection	12
Annex B (informative) Examples of retaining wall elements	14
Annex C (informative) Mechanical resistance test of the restraint (stem-base) of precast elements for retaining cantilever walls	19
Annex ZA (informative) Clauses of this European Standard addressing the provisions of the EU Construction Products Directive	21
Z.A.1 Scope and relevant characteristics	21
Z.A.2 Procedure for attestation of conformity of retaining wall elements	22
Z.A.2.1 System of attestation of conformity	22
Z.A.2.2 EC Certificate and Declaration of conformity	24