

# Precast concrete products — Beam-and- block floor systems

## Part 4: Expanded polystyrene blocks

ICS 91.100.30

## National foreword

This British Standard is the UK implementation of EN 15037-4:2010+A1:2013. It supersedes BS EN 15037-4:2010, which is withdrawn.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to CEN text carry the number of the CEN amendment. For example, text altered by CEN amendment A1 is indicated by A1 A1.

The UK participation in its preparation was entrusted to Technical Committee B/524, Precast concrete products.

A list of organizations represented on this committee can be obtained on request to its secretary.

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

**Compliance with a British Standard cannot confer immunity from legal obligations.**

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### Amendments/corrigenda issued since publication

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English Version

## Precast concrete products - Beam-and-block floor systems - Part 4: Expanded polystyrene blocks

Produits préfabriqués en béton - Systèmes de planchers à poutrelles et entrevous - Partie 4: Entrevous en polystyrène expansé

Betonfertigteile - Balkendecken mit Zwischenbauteilen - Teil 4: Zwischenbauteile aus Polystyrolhartschaum

This European Standard was approved by CEN on 1 November 2009 and includes Amendment 1 approved by CEN on 14 March 2013.

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## Foreword

This document (EN 15037-4:2010+A1:2013) has been prepared by Technical Committee CEN/TC 229 “Precast concrete products”, the secretariat of which is held by AFNOR, and was examined by and agreed with a joint working party appointed by the Liaison Group CEN/TC 229-TC 250, particularly for its compatibility with structural Eurocodes.

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of an identical text or by endorsement, at the latest by November 2013, and conflicting national standards shall be withdrawn at the latest by November 2013.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 includes Amendment 1, approved by CEN on 2013-03-14.

This document supersedes EN 15037-4:2010.

The start and finish of text introduced or altered by amendment is indicated in the text by tags A1 A1.

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.

EN 15037, *Precast concrete products — Beam-and-block floor systems*, consists of five parts:

- *Part 1: Beams*
- *Part 2: Concrete blocks*
- *Part 3: Clay blocks*
- *Part 4: Expanded polystyrene blocks*
- *Part 5: Lightweight blocks for simple formwork* <sup>1)</sup>

For common aspects of concrete products, reference is made to EN 13369, from which also the relevant requirements of the EN 206-1 are taken.

The references to EN 13369 by CEN/TC 229 product standards are intended to make them homogeneous and to avoid repetitions of similar requirements.

Eurocodes are taken as a common reference for design aspects. The installation of some structural precast concrete products is dealt with by ENV 13670-1. In all countries it may be accompanied by alternatives for national application and it should not be treated as a European Standard.

The program of standards for structural precast concrete products comprises the following European Standards, in some cases consisting of several parts:

EN 1168, *Precast concrete products — Hollow core slabs*

1) To be developed.

EN 12794, *Precast concrete products — Foundation piles*

EN 12843, *Precast concrete products — Masts and poles*

EN 13224, *Precast concrete products — Ribbed floor elements*

EN 13225, *Precast concrete products — Linear structural elements*

EN 13693, *Precast concrete products — Special roof elements*

EN 13747, *Precast concrete products — Floor plates for floor systems*

EN 13978, *Precast concrete products — Precast concrete garages*

EN 14843, *Precast concrete products — Stairs*

EN 14844, *Precast concrete products — Box culverts*

EN 14991, *Precast concrete products — Foundation elements*

EN 14992, *Precast concrete products — Wall elements*

EN 15037, *Precast concrete products — Beam-and-block floor systems*

EN 15050, *Precast concrete products — Bridge elements*

EN 15258, *Precast concrete products — Retaining wall elements*

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