

DIN EN 15037-2:2011-07 (E)

Precast concrete products - Beam-and-block floor systems - Part 2: Concrete blocks (includes Amendment A1:2011)

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	7
4 Requirements	10
4.1 Material requirements	10
4.2 Production requirements	11
4.3 Finished product requirements	11
4.3.1 Geometrical properties	11
4.3.2 Surface characteristics	13
4.3.3 Mechanical resistance	13
4.3.4 Resistance and reaction to fire	14
4.3.5 Acoustic properties	15
4.3.6 Thermal properties	15
4.3.7 Durability	15
4.3.8 Other requirements	15
5 Test methods	15
5.1 Measuring of dimensions and surface characteristics	15
5.1.1 Block dimensions	15
5.1.2 Surface characteristics	17
5.2 Mechanical strength	18
5.2.1 Resistance to concentrated loads	18
5.2.2 Bending strength	20
5.2.3 Longitudinal compression test for resisting and semi-resisting concrete blocks	21
5.2.4 Transverse testing of resisting and semi-resisting concrete blocks	23
5.3 Gross dry density of block	24
5.4 Drying shrinkage of lightweight concrete	24
6 Evaluation of conformity	24
6.1 General	24
6.2 Type testing	24
6.3 Factory production control	24
7 Marking	25
8 Technical documentation	25
Annex A (normative) Sampling for initial type testing and for independent testing of consignments	26
A.1 General	26
A.2 Sampling procedure	26

A.2.1	Random sampling	26
A.2.2	Representative sampling	26
A.2.3	Dividing the sample	27
A.2.4	Number of blocks required per test	27
Annex B (normative) Inspection schemes for concrete blocks		28
Annex ZA (informative) Clauses of this European Standard addressing the provisions of the EU Construction Products Directive		29
Z.A.1	Scope and relevant characteristics	29
Z.A.2	Procedure for attestation of conformity of concrete blocks for beam-and-block floor systems	31
Z.A.2.1	System of attestation of conformity	31
Z.A.2.2	EC Certificate and Declaration of conformity	31
Z.A.3	CE marking and labelling	32
Z.A.3.1	General	32
Z.A.3.2	Simplified label	33
Z.A.3.3	Information to be provided with the CE marking	34
Bibliography		36