

DIN EN 15037-4:2013-08 (E)

Precast concrete products - Beam-and-block floor systems - Part 4: Expanded polystyrene blocks (includes Amendment A1:2013)

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 can result in a gap on numbering. Foreword		
		3
Introduction		5
1	Scope	6
2	Normative references	6
3	Terms and definitions	6
4	Requirements	8
4.1	Material requirements	8
4.2	Production requirements	8
4.3	Finished product requirements	8
5	Test methods	13
5.1	Measuring of dimensions	13
5.2	Mechanical strength	17
5.3	Compressive resistance test	25
5.4	Thermal conductivity	25
5.5	Thermal resistance of the floor system	25
6	Evaluation of conformity	25
6.1	General	25
6.2	Initial type tests	25
6.3	Factory production control	26
7	Marking	26
8	Technical documentation	26
Annex A (normative) Sampling for initial type testing and for independent testing of consignments		27
A.1	General	27
A.2	Sampling procedure	27
Annex B (normative) Factory production control		29
Annex C (normative) Gravity loading tests		31
C.1	Test rig	31
C.2	Procedure	37
C.3	Test report	37
Annex D (normative) Calibration of concentrated loads testing machine		39
D.1	Sample	39
D.2	Procedure	39

D.3	Validity	40
Annex E (normative)	Compliance criteria for resistance to concentrated loads	41
Annex F (informative)	Calculation assumptions for calculating the thermal resistance of floors	42
Annex ZA (informative)	Clauses of this European Standard addressing the provisions of the EU Construction Products Directive	45
ZA.1	Scope and relevant characteristics	45
ZA.2	Procedure for attestation of conformity of EPS blocks for beam-and-block floor systems	46
ZA.3	CE marking and labelling	51
Bibliography	55