

DIN EN 13224:2007-08 (E)

Precast concrete products - Ribbed floor elements (includes Amendment A1:2007)

Contents

Page

The numbering of clauses is strictly related to EN 13369, Common rules for precast concrete products, at least for the first three digits. When a clause of EN 13369 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. page Foreword		4
Introduction		6
1	Scope	7
2	Normative references	7
3	Terms, definitions, and symbols	7
3.1	Terms and definitions	7
4	Requirements	7
4.1	Material requirements	7
4.2	Production requirements	8
4.3	Finished product requirements	8
4.3.1	Geometrical properties	8
4.3.2	Surface characteristics	9
4.3.3	Mechanical resistance	9
4.3.4	Resistance and reaction to fire	10
4.3.5	Acoustic properties	10
4.3.6	Thermal properties	10
4.3.7	Durability	10
4.3.8	Other requirements	11
5	Test methods	11
5.1	Tests on concrete	11
5.2	Measuring of dimensions and surface characteristics	11
6	Evaluation of conformity	11
6.1	General	11
6.2	Type testing	11
6.3	Factory production control	12
7	Marking and labelling	12
8	Technical documentation	12
Annex A (informative) Examples of elements		13
Annex B (normative) Minor floor elements		14
B.1	General	14
B.2	Additional requirements for Minor Floor Elements	14
B.2.1	General	14
B.2.2	Dimensions	14
B.2.3	Minimum strength of concrete	15
B.3	Special rules for Minor Floor Elements	15
B.3.1	Bearing length	15
B.3.2	Transverse load distribution	15

B.3.3	Detailing	16
	Annex C (informative) Unintended negative moments	18
	Annex D (informative) Thermal maps	21
	Annex E (informative) Transverse load distribution	25
	Annex F (informative) Diaphragm action	26
	Annex Y (informative) Choice of CE marking method	27
Y.1	General	27
Y.1	Method 1	27
Y.2	Method 2	27
Y.3	Method 3	27
	Annex ZA (informative) Clauses of this European Standard addressing essential requirements or other provisions of EU Directives	28
	ZA.1 Scope and relevant characteristics	28
	ZA.2 Procedure for attestation of conformity of precast ribbed floor elements	29
	ZA.2.1 System of attestation of conformity	29
	ZA.2.2 EC Certificate and Declaration of conformity	30
	ZA.3 CE marking and labelling	31
	ZA.3.1 General	31
	ZA.3.2 Declaration of geometrical data and material properties	32
	ZA.3.3 Declaration of product properties	34
	ZA.3.4 Declaration of compliance with a given design specification	37
	Bibliography	39