

DIN EN 15435:2008-10 (E)

Precast concrete products - Normal weight and lightweight concrete shuttering blocks - Product properties and performance

Contents		Page
Foreword		4
1	Scope	5
2	Normative references	5
3	Terms, definitions and symbols	6
3.1	Terms and definitions	6
3.2	Symbols	7
4	Requirements	8
4.1	General	8
4.2	Raw materials and concrete	9
4.3	Dangerous substances	9
4.4	Geometric properties	9
4.5	Density	10
4.6	Moisture movement	10
4.7	Reaction to fire	10
4.8	Water vapour permeability	10
4.9	Mechanical strength	10
4.10	Acoustic properties	11
4.11	Thermal properties	11
4.12	Water absorption by capillarity	11
4.13	Durability	11
5	Test methods	12
5.1	Geometric properties	12
5.2	Density	14
5.3	Mechanical strength	15
6	Classification	15
7	Marking	16
8	Evaluation of conformity	16
8.1	General	16
8.2	Initial type testing	16
8.3	Factory production control	17
Annex A (normative) Determination of web tensile strength		18
A.1	Principle	18
A.2	Apparatus	18
A.3	Procedure	19
A.4	Determining the tensile strength of webs	21
A.5	Test report	23
Annex B (normative) Determination of shell flexural strength		24
B.1	Principle	24
B.2	Apparatus	24

B.3	Procedure	24
B.4	Determining the flexural strength of the shells	24
B.5	Test report	28
Annex C (normative) Sampling for initial type testing		29
C.1	General	29
C.2	Sampling procedure	29
C.3	Place and dates of inspection and acceptance testing	31
Annex D (normative) Compliance criteria for initial type testing and for independent batch acceptance testing		32
Annex E (informative) Example of inspection schemes		33
E.1	Equipment inspection	33
E.2	Materials inspection	34
E.3	Production process inspection	35
E.4	Product inspection	36
E.5	Switching rules	37
Annex F (informative) Filling pressure of concrete infill		38
Annex ZA (informative) Clauses of this European Standard addressing the provisions of the EU Construction Products Directive		39
ZA.1 Scope and relevant characteristics		39
ZA.2 Procedure for attestation of conformity of concrete shuttering blocks		40
ZA.3 CE marking and labelling		42
Bibliography		44