

DIN EN 771-6:2011-07 (E)

Specification for masonry units - Part 6: Natural stone masonry units

Contents		Page
Foreword		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	6
4	Materials of natural stone	8
5	Requirements for natural stone masonry units	8
5.1	General	8
5.2	Denomination	8
5.3	Dimensions and tolerances	8
5.3.1	Dimensions	8
5.3.2	Dimensional tolerances	9
5.4	Configuration	10
5.4.1	General	10
5.4.2	Surface appearance	10
5.5	Apparent density	10
5.6	Mechanical strengths	10
5.6.1	Compressive strength	10
5.6.2	Flexural strength	11
5.7	Shear bond strength	11
5.7.1	General	11
5.7.2	Declaration based on fixed values	11
5.7.3	Declaration based on tests	11
5.8	Flexural bond strength	11
5.9	Open porosity	12
5.10	Water absorption coefficient by capillarity	12
5.11	Durability	12
5.12	Thermal properties	12
5.13	Reaction to fire	13
5.14	Water vapour permeability	13
6	Description, designation and classification of natural stone masonry units	13
6.1	Description and designation	13
6.2	Classification	14
7	Marking	14
8	Evaluation of conformity	14
8.1	General	14
8.2	Initial type testing	14
8.3	Factory production control	16
8.3.1	General	16
8.3.2	Testing and measuring equipment	16
8.3.3	Production equipment	16
8.3.4	Raw materials	16
8.3.5	Production process	16
8.3.6	Finished product testing	16
8.3.7	Statistical techniques	17

8.3.8	Marking and stock control of products	17
8.3.9	Traceability	17
8.3.10	Nonconforming products	17
Annex A (normative) Sampling for initial type testing and for independent testing of consignments		18
A.1	General	18
A.2	Sampling procedure	18
A.2.1	General	18
A.2.2	Random sampling	18
A.2.3	Representative sampling	18
A.2.4	Dividing the sample	19
A.2.5	Number of units required for testing	19
Annex B (informative) Guidance for test frequencies for designing a FPC system to demonstrate conformity of finished products with the requirements of the standard and the declaration of the manufacturer		20
Annex ZA (informative) Clauses of this European Standard addressing the provisions of the Construction Products Directive		21
ZA.1	Scope and relevant characteristics	21
ZA.2	Procedure(s) for the attestation of conformity of natural stone masonry units	22
ZA.2.1	System(s) of attestation of conformity	22
ZA.2.2	EC Certificate and Declaration of Conformity	23
ZA.3	CE marking and labelling	25
Bibliography		28