

Contents	Page
European foreword	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	6
4 Materials and manufacture	8
4.1 General	8
4.2 Materials of manufacture	8
5 Requirements for AAC masonry units	8
5.1 General	8
5.2 Dimensions and tolerances	8
5.2.1 Dimensions	8
5.2.2 Tolerances	9
5.3 Configuration	10
5.4 Density	11
5.4.1 Gross dry density	11
5.4.2 Net dry density	11
5.4.3 Limit deviations	12
5.5 Compressive strength	12
5.6 Thermal properties	12
5.7 Durability	12
5.8 Moisture movement	13
5.9 Water vapour permeability	13
5.10 Water absorption	13
5.11 Reaction to fire	13
5.12 Shear bond strength	13
5.12.1 General	13
5.12.2 Declaration based on fixed values	14
5.12.3 Declaration based on tests	14
5.13 Flexural bond strength	14
5.14 Dangerous substances	14
6 Description, designation and classification of AAC masonry units	14
6.1 Description and designation	14
6.2 Classification	15
7 Marking	15
8  Assessment and verification of constancy of performance (AVCP) 	15
8.1 General	15
8.2 Product type determination	16
8.3 Factory production control	17
8.3.1 General	17
8.3.2 Testing and measuring equipment	17
8.3.3 Production equipment	17
8.3.4 Raw materials	17
8.3.5 Production process	17
8.3.6 Finished product testing	18
8.3.7 Statistical techniques	18
8.3.8 Marking and stock control of products	18

POLSKI KOMITET NORMALIZACYJNY 2018

8.3.9	Traceability.....	18
8.3.10	Nonconforming products	18
Annex A	(normative) Sampling for product type determination test and for independent testing of consignments	19
A.1	General	19
A.2	Sampling procedure for an assessment of product compliance	19
A.2.1	Random sampling	19
A.2.2	Representative sampling	19
A.2.3	Dividing the sample.....	20
A.2.4	Number of masonry units required for testing.....	20
Annex B	(normative) Cutting schemes	21
B.1	Cutting scheme for producing cubes or prisms from AAC masonry units in order to determine the dry density.....	21
B.2	Cutting scheme for producing cubes from AAC masonry units in order to determine compressive strength	22
Annex C	(informative) Guidance on FPC frequencies	23
Annex ZA	(informative) Clauses of this European Standard addressing the provisions of the EU Construction Products Regulation	25
ZA.1	Scope and relevant characteristics	25
ZA.2	Procedure(s) for AVCP of Autoclaved Aerated Concrete masonry units.....	26
ZA.2.1	System(s) of AVCP	26
ZA.2.2	Declaration of performance (DoP)	28
ZA.3	CE marking and labelling.....	32
Bibliography		35