

DIN EN 1469:2015-05 (E)

Natural stone products - Slabs for cladding - Requirements

Contents		Page
Foreword		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	6
4	Characteristics of natural stone for cladding	6
4.1	Geometrical characteristics	6
4.1.1	General	6
4.1.2	Thickness	6
4.1.3	Flatness	7
4.1.4	Length, width and squareness	7
4.1.5	Special shapes	7
4.1.6	Location of dowel holes	8
4.1.7	Commercial sizes of slabs for cladding	8
4.1.8	Surface finish	8
4.2	Physical and mechanical characteristics	9
4.2.1	General	9
4.2.2	Denomination	9
4.2.3	Visual appearance	9
4.2.4	Flexural strength	11
4.2.5	Resistance to fixings	11
4.2.6	Water absorption at atmospheric pressure	11
4.2.7	Reaction to fire	11
4.2.8	Water absorption by capillarity	11
4.2.9	Apparent density and open porosity	12
4.2.10	Durability	12
4.2.11	Water vapour permeability	12
4.2.12	Direct airborne sound insulation	13
4.2.13	Thermal conductivity	13
4.2.14	Release of dangerous substances	13
4.2.15	Bond strength/adhesion	13
5	Testing, assessment and sampling methods	13
5.1	Testing	13
5.2	Sampling	13
5.2.1	General	13
5.2.2	Principles of sampling	14
5.2.3	Taking bulk samples	14
5.2.4	Preparing a sampling plan	14
5.2.5	Sampling apparatus	14
5.2.6	Sampling methods	14
5.2.7	Marking, packaging and dispatch of the samples	16
5.2.8	Sampling report	16
6	Assessment and verification of constancy of performance - AVCP	17
6.1	General	17
6.2	Type Testing	18
6.2.1	General	18
6.2.2	Test samples, testing and compliance criteria	18

6.2.3	Test reports	19
6.2.4	Shared other party results	19
6.2.5	Cascading determination of the product type results	20
6.3	Factory production control (FPC)	21
6.3.1	General	21
6.3.2	Requirements	21
6.3.3	Product specific requirements	25
6.3.4	One-off products, pre-production products (e.g. prototypes) and products produced in very low quantity	26
6.3.5	Procedure for modifications	27
7	Marking and packaging	27
Annex ZA (informative) Clauses of this European Standard addressing the provisions of the EU Construction Products Regulation		
		29
ZA.1	Scope and relevant characteristics	29
ZA.2	Procedure for AVCP of natural stone slabs for cladding	32
ZA.2.1	System(s) of AVCP	32
ZA.2.2	Declaration of performance (DoP)	36
ZA.2.2.1	General	36
ZA.2.2.2	Content	37
ZA.2.2.3	Example of DoP	37
ZA.2.2.3.1	Example of DoP for natural stone slabs for cladding, inside use	37
ZA.2.2.3.2	Example of DoP for natural stone slabs for cladding, outside use	39
ZA.3	CE marking and labelling	41
	Bibliography	45