

DIN EN 15286:2013-09 (E)

Agglomerated stone - Slabs and tiles for wall finishes (internal and external)

Contents

	Page
Foreword	4
1 Scope	6
2 Normative references	6
3 Terms and definitions	7
4 Requirements	7
4.1 Geometric characteristics	7
4.1.1 Dimensions	7
4.1.2 Tolerances in dimensions	8
4.1.3 Tolerances in flatness	8
4.1.4 Straight angles	9
4.1.5 Surface finish	9
4.2 Physical and mechanical characteristics	9
4.2.1 General	9
4.2.2 Visual appearance	9
4.2.3 Reaction to fire	10
4.2.4 Apparent density and water absorption	10
4.2.5 Flexural tensile strength	10
4.2.6 Thermal conductivity	10
4.2.7 Thermal shock resistance	10
4.2.8 Linear thermal expansion coefficient	11
4.2.9 Dimensional stability	11
4.2.10 Bond strength/adhesion	11
4.2.11 Resistance to fixings	11
4.2.12 Release of dangerous substances	11
4.2.13 Durability of flexural strength against freeze and thaw cycles	12
5 Test methods	12
6 Evaluation of conformity	12
6.1 General rules	12
6.2 Initial Type Testing - Type Testing	12
6.2.1 General	12
6.2.2 Test samples, testing and compliance criteria	13
6.2.3 Test reports	15
6.3 Factory production control (FPC)	15
6.3.1 General	15
6.3.2 Requirements	15
6.3.3 Product specific requirements	19
6.3.4 Initial inspection of factory and of FPC	20
6.3.5 Continuous surveillance of FPC	20
6.3.6 Procedure for modifications	21
7 Marking, labelling and packaging	21
Annex A (normative) Determination of dimensions of cladding slabs	22
A.1 Measurement of length and width	22
A.1.1 Apparatus	22

A.1.2	Test specimens	22
A.1.3	Procedure	22
A.1.4	Expression of results	22
A.1.5	Test report	22
A.2	Measurement of thickness	23
A.2.1	Apparatus	23
A.2.2	Test specimens	23
A.2.3	Procedure	23
A.2.4	Expression of results	23
A.2.5	Test report	23
A.3	Measurement of flatness	23
A.3.1	Apparatus	23
A.3.2	Test specimens	24
A.3.3	Procedure	24
A.3.4	Expression of results	25
A.3.5	Test report	26
Annex B (normative) Determination of straight angles of cladding slabs and tiles		27
B.1	Apparatus	27
B.2	Test specimens	27
B.3	Procedure	27
B.4	Expression of results	27
B.5	Test report	27
Annex C (normative) Reference sample, visual inspection and acceptance criteria		28
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 89/106/EEC, Construction Products Directive		30
Z.A.1	Scope and relevant characteristics	30
Z.A.2	Procedures for attestation of conformity of agglomerated stone cladding slabs and tiles	33
Z.A.2.1	Systems of attestation of conformity	33
Z.A.2.2	EC certificate of conformity and EC declaration of conformity	35
Z.A.3	CE marking and labelling	36
Bibliography		42