

DIN EN 13963:2014-09 (E)

Jointing materials for gypsum boards - Definitions, requirements and test methods

Contents		Page
Foreword		5
1	Scope	6
2	Normative references	6
3	Terms and definitions, symbols, abbreviations and classification	6
3.1	Terms and definitions	6
3.2	Symbols and abbreviations	7
3.3	Classification of compounds	7
4	Requirements	8
4.1	Reaction to fire	8
4.2	Flexural strength (expressed as breaking load)	8
4.3	Dangerous substances	8
4.4	Setting time	9
4.5	Cracking	9
4.6	Particle size distribution	9
4.7	Adhesion/cohesion	9
4.8	Dimensional stability of paper tape	9
4.9	Tensile strength of paper tape	9
4.10	Additional requirements for jointing compounds Types H1, H2, H3 (with reduced water absorption)	9
5	Test methods	10
5.1	Sampling	10
5.2	Determination of setting time	10
5.2.1	Principle	10
5.2.2	Apparatus and materials	10
5.2.3	Procedure	10
5.2.4	Expression of results	11
5.3	Determination of cracking resistance	11
5.3.1	Principle	11
5.3.2	Apparatus and materials	11
5.3.3	Procedure	12
5.3.4	Expression of results	13
5.4	Determination particle size distribution	13
5.4.1	Principle	13
5.4.2	Apparatus	13
5.4.3	Procedure	13
5.4.4	Expression of results	13
5.5	Determination of adhesion/cohesion	13
5.5.1	Principle	13
5.5.2	Apparatus	14
5.5.3	Procedure	14
5.5.4	Expression of results	14
5.6	Determination of dimensional stability of paper jointing tape	16
5.6.1	Principle	16
5.6.2	Apparatus	16
5.6.3	Procedure	16
5.6.4	Expression of results	16
5.7	Determination of tensile strength of paper jointing tape	17

5.7.1	Principle	17
5.7.2	Apparatus	17
5.7.3	Procedure	17
5.7.4	Expression of results	17
5.8	Determination of flexural strength (breaking load)	18
5.8.1	Determination of breaking load by tensile method	18
5.8.2	Determination of breaking load by flexural method	19
5.9	Determination of water absorption	20
5.9.1	Surface water absorption	20
5.9.2	Total water absorption	21
6	Assessment and verification of constancy of performance - AVCP	22
6.1	General	22
6.2	Type testing	22
6.2.1	General	22
6.2.2	Determination of the product type	22
6.2.3	Further type testing	22
6.3	Factory production control (FPC)	23
6.3.1	General	23
6.3.2	Personnel	23
6.3.3	Equipment	23
6.3.4	Raw materials and components	23
6.3.5	Product testing and evaluation	23
6.3.6	Traceability and marking	24
6.3.7	Non-complying products	24
6.3.8	Corrective action	24
6.3.9	Other test methods	24
7	Designation of jointing materials	24
8	Marking, labelling and packaging	25
Annex A (informative) Sampling procedure for testing		26
A.1	General	26
A.2	Sampling procedure	26
A.2.1	General	26
A.2.2	Random sampling	26
A.2.3	Representative sampling	26
A.2.3.1	General	26
A.2.3.2	Sampling from a stack	26
A.2.3.3	Sampling from a consignment formed of banded or wrapped packs	27
Annex B (normative) Classes for reaction to fire performance for air drying jointing compounds		28
Annex C (normative) Mounting and fixing in the test according to EN 13823 (SBI test)		29
C.1	Mounting and fixing of the jointing materials	29
Annex ZA (informative) Clauses of this European Standard addressing the provisions of the EU Construction Products Regulation		31
ZA.1	Scope and relevant characteristics	31
ZA.2	Procedure for AVCP of jointing materials for gypsum boards	31
ZA.2.1	Systems of AVCP	31
ZA.2.2	Declaration of performance (DoP)	34
ZA.2.2.1	General	34

ZA.2.2.2 Content	34
ZA.2.2.3 Example of DoP	36
ZA.3 CE marking and labelling	37
Bibliography	40