



NSAI
Standards

Irish Standard
I.S. EN 13963:2014

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

I.S. EN 13963:2014

Incorporating amendments/corrigenda/National Annexes issued since publication:

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation — recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):

NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.

This document is based on:

EN 13963:2014

Published:

2014-07-09

*This document was published
under the authority of the NSAI
and comes into effect on:*

2014-07-26

ICS number:

91.100.10

NOTE: If blank see CEN/CENELEC cover page

NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W NSAI.ie

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

Údarás um Chaighdeáin Náisiúnta na hÉireann

EUROPEAN STANDARD

EN 13963

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2014

ICS 91.100.10

Supersedes EN 13963:2005

English Version

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

Matériaux de jointoiement pour plaques de plâtre -
Définitions, spécifications et méthodes d'essai

Materialien für das Verspachteln von Gipsplattenfugen -
Begriffe, Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 22 May 2014.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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

EN 13963:2014 (E)

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

Foreword

This document (EN 13963:2014) has been prepared by Technical Committee CEN/TC 241 “Gypsum and gypsum based products”, the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by January 2015 and conflicting national standards shall be withdrawn at the latest by April 2016.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 13963:2005.

The main technical changes that have been made in this new edition of EN 13963 are the following:

- a) normative references have been updated;
- b) Commission Decision 2010/83/EU on classes of reaction to fire performance for air drying jointing compounds included in Annex B;
- c) new clause symbols, abbreviations and classification has been introduced;
- d) Annex ZA and Clause 6 have been revised to be in line with the Construction Products Regulation (CPR)
- e) document has been editorially revised.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of Regulation (EU) No. 305/2011.

For relationship with Regulation (EU) No. 305/2011, see informative Annex ZA, which is an integral part of this document.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

EN 13963:2014 (E)**1 Scope**

The European Standard specifies the requirements for jointing compounds and paper tapes used to fill and finish the joints formed at the edges and ends of gypsum plasterboards complying with EN 520, products from secondary processing complying with EN 14190, prefabricated gypsum plasterboard panels with a cellular paperboard core complying with EN 13915, thermal/acoustic composite panels complying with EN 13950, preformed plasterboard cornices complying with EN 14209 and gypsum boards with fibrous reinforcement complying with EN 15283-1 and EN 15283-2.

This European Standard does not cover tapes which are made from materials other than paper.

This European Standard covers the following characteristics: reaction to fire and flexural strength, to be measured according to the relevant test methods in this document.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 196-3, *Methods of testing cement — Part 3: Determination of setting time and soundness*

EN 520, *Gypsum plasterboards — Definitions, requirements and test methods*

EN 13501-1, *Fire classification of construction products and building elements — Part 1: Classification using test data from reaction to fire tests*

EN 13823, *Reaction to fire tests for building products — Building products excluding floorings exposed to the thermal attack by a single burning item*

EN ISO 535, *Paper and board — Determination of water absorptiveness — Cobb method (ISO 535)*

EN ISO 1924-2, *Paper and board — Determination of tensile properties — Part 2: Constant rate of elongation method (20 mm/min) (ISO 1924-2)*

ISO 565, *Test sieves — Metal wire cloth, perforated metal plate and electroformed sheet — Nominal sizes of openings*

3 Terms and definitions, symbols, abbreviations and classification**3.1 Terms and definitions**

For the purpose of this document, the following terms and definitions apply.

3.1.1**jointing system**

combination of jointing compound or compounds with or without jointing tape to form a seamless joint between two gypsum boards

3.1.2**tapeless jointing compound**

compound for use without tape for jointing gypsum boards with suitable edge profiles

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- Looking for additional Standards? Visit Intertek Inform Infostore
 - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-