

DIN EN 14496:2017-09 (E)

Gypsum based adhesives for thermal/acoustic insulation composite panels and gypsum boards - Definitions, requirements and test methods

Contents		Page
European foreword		4
1	Scope	5
2	Normative references	5
3	Symbols and abbreviations	5
3.1	Symbols and abbreviations	5
4	Requirements	6
4.1	Fire behaviour	6
4.1.1	Reaction to fire	6
4.1.2	Fire resistance	6
4.2	Bond strength	6
4.3	Dangerous substances	6
4.4	Calcium sulfate content	6
4.5	End of utilization time	6
5	Test methods	6
5.1	General	6
5.2	Determination of the calcium sulfate content	7
5.3	Determination of the water/adhesive ratio	7
5.4	Preparation of the paste for the tests	7
5.5	Determination of the end of utilization time	7
5.5.1	Principle	7
5.5.2	Apparatus	7
5.5.3	Procedure	7
5.5.4	Expression of results	8
5.6	Determination of the bond strength	8
5.6.1	Principle	8
5.6.2	Apparatus	8
5.6.3	Procedure	10
5.6.4	Expressions of results	11
6	Assessment and verification of constancy of performance - AVCP	11
6.1	General	11
6.2	Type testing	11
6.2.1	General	11
6.2.2	Determination of the product type	11
6.2.3	Further type testing	12
6.3	Factory production control (FPC)	12
6.3.1	General	12
6.3.2	Personnel	12
6.3.3	Equipment	12
6.3.4	Raw materials and components	13
6.3.5	Product testing and evaluation	13
6.3.6	Traceability and marking	13
6.3.7	Non-conforming products	13
6.3.8	Corrective action	13
6.3.9	Other test methods	13

7	Designation	13
8	Marking, labelling and packaging	13
	Annex A (informative) Sampling procedure for testing	15
A.1	General	15
A.2	Sampling procedure	15
A.2.1	General	15
A.2.2	Random sampling	15
A.2.3	Representative sampling	15
A.2.3.1	General	15
A.2.3.2	Sampling from a stack	15
A.2.3.3	Sampling from a consignment formed of banded or wrapped packs	15
	Annex ZA (informative) Relationship of this European Standard with Regulation (EU) No.305/2011 .	16
ZA.1	Scope and relevant characteristics	16
ZA.2	System of Assessment and Verification of Constancy of Performance (AVCP)	16
ZA.3	Assignment of AVCP tasks	17
	Bibliography	19