

DIN EN 14064-1:2019-04 (E)

Thermal insulation products for buildings - In-situ formed loose-fill mineral wool (MW) products - Part 1: Specification for the loose-fill products before installation

Contents		Page
European foreword		5
1	Scope	7
2	Normative references	7
3	Terms, definitions, symbols and abbreviations	8
3.1	Terms and definitions	8
3.2	Symbols and abbreviations	9
4	Characteristics	10
4.1	General	10
4.2	For all applications	10
4.2.1	Thermal conductivity - Thermal resistance	10
4.2.2	Weight of the sale unit	11
4.2.3	Settlement	11
4.2.4	Reaction to fire	12
4.2.5	Durability characteristics	12
4.3	For specific applications	13
4.3.1	General	13
4.3.2	Airflow resistivity	13
4.3.3	Water absorption	13
4.3.4	Water vapour diffusion resistance	13
4.3.5	Reaction to fire of product in standardized assemblies simulating end-use applications ..	13
4.3.6	Release of dangerous substances	13
4.3.7	Continuous glowing combustion	14
5	Test methods	14
5.1	Sampling	14
5.2	Conditioning	14
5.3	Testing	14
5.3.1	General	14
5.3.2	Thermal resistance and thermal conductivity	15
5.3.3	Reaction to fire	16
6	Designation code	16
6.1	General	16
6.2	Assessment and Verification of the Constancy of Performance (AVCP)General	16
6.3	Factory production control	17
7	Marking and labelling	17
Annex A (normative) Determination of the declared values of thermal resistance and thermal conductivity		20
A.1	General	20
A.2	Input data	20
A.3	Declared values	20
Annex B (normative) Factory production control		24

Annex C (normative) Specimen preparation method for thermal resistance and thermal conductivity test	26
C.1 Principle	26
C.2 Procedure	26
Annex D (normative) Specimen preparation method for water absorption test	29
D.1 Principle	29
D.2 Procedure	29
Annex E (normative) Specimen preparation method for air flow resistivity test -- Principle	30
Annex F (normative) Testing for reaction to fire of products	31
F.1 Scope	31
F.2 Product and installation parameters	31
F.3 Standardized Mounting and fixing	32
Annex G (normative) Testing for reaction to fire of products in standardized assemblies simulating end-use application(s)	33
G.1 Scope	33
G.2 Product and installation parameters	33
G.3 Standardized Mounting and fixing	34
Annex H (normative) Rules for creating performance charts for loose-fill insulation and examples of performance charts	35
H.1 General	35
H.2 Performance chart for loft application when method 1 or 2 (Annex A) are used	35
H.3 Performance chart for masonry cavity wall insulation, and frame constructions insulation (method 1 Annex A)	38
Annex I (normative) Specimen preparation method for coverage and density measurement	40
I.1 Principle	40
I.2 Procedure for attics floors application	40
I.3 Procedure for closed construction	41
Annex J (normative) Thermal insulating products for lofts and closed cavities - Determination of settlement for blown or injected loose fill insulation	46
J.1 Settlement after ageing	46
J.2 Test report	50
Annex K (informative) Masonry cavity walls - Method for determining suitable spacings for blowing holes	51
K.1 Test house	51
K.2 Test method	51
K.3 Observations	51
K.4 Installation procedure	51
DIN EN 14064-1:2019-04 EN 14064-1:2018 (E) Annex ZA (informative) Relationship of this European Standard with Regulation (EU) No.305/2011	53
Bibliography	57