

Irish Standard I.S. EN 14064-1:2010

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

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# EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

EN 14064-1

February 2010

ICS 91.100.60

#### **English Version**

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

Produits isolants thermiques pour le bâtiment - Isolation thermique formée sur chantier à base de laine minérale (MW) - Partie 1 : Spécification des produits en vrac avant l'installation

Wärmedämmstoffe für Gebäude - An der Verwendungsstelle hergestellte Wärmedämmung aus Mineralwolle (MW) - Teil 1: Spezifikation für Schüttdämmstoffe vor dem Einbau

This European Standard was approved by CEN on 9 January 2010.

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 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 Management Centre has the same status as the official versions.

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

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# EN 14064-1:2010 (E)

Cont	ents	Page
Forewo	ord	
1	Scope	7
2	Normative references	
-	Terms, definitions, symbols and abbreviations	
3.1	Terms and definitions	
3.2	Symbols and abbreviations	
4	Requirements	
4.1	General	9
4.2	For all applications	
4.2.1 4.2.2	Thermal conductivity – Thermal resistance Weight of the sale unit	
4.2.3	Settlement	
4.2.4	Reaction to fire	
4.2.5 4.3	Durability characteristics  For specific applications	
4.3 4.3.1	General	
4.3.2	Airflow resistivity	13
4.3.3	Water absorption	
4.3.4 4.3.5	Water vapour diffusion resistance  Reaction to fire of product in standardized assemblies simulating end-use applications	
4.3.6	Release of dangerous substances	
4.3.7	Continuous glowing combustion	
5	Test methods	14
5.1	Sampling	14
5.2 5.3	Conditioning	
5.3.1	Testing General	
5.3.2	Thermal resistance and thermal conductivity	
5.3.3	Reaction to fire	16
6	Designation code	16
7	Evaluation of conformity	16
7.1	General	
7.2	Initial type testing	
7.3	Factory production control	
8	Marking and labelling	17
Annex	A (normative) Determination of the declared values of thermal resistance and thermal	
	conductivity	
A.1 A.2	IntroductionInput data	
A.2 A.3	Declared values	
A.3.1	General	20
A.3.2	Case where thermal resistance and thermal conductivity are declared	
A.3.3	Case where only thermal resistance is declared	
	B (normative) Factory production control	23
Annex	C (normative) Specimen preparation method for thermal resistance and thermal	21

C.1 C.2 C.2.1 C.2.2	Principle  Procedure  Specimen preparation method for ventilated roof spaces application  Specimen preparation method for closed cavities application	.25 .25
	D (normative) Specimen preparation method for water absorption test	.27 .27
Annex E.1 E.2	E (normative) Specimen preparation method for airflow resistivity test	.28
Annex F.1 F.2 F.3	F (normative) Testing for reaction to fire of products  Scope  Product and installation parameters  Standardized Mounting and fixing	.29 .29 .30
F.3.1 F.3.2 F.3.3	Test specimens for EN ISO 11925-2 (Ignitability) and EN 13823 (SBI)	.30
Annex	G (normative) Testing for reaction to fire of products in standardised assemblies simulating end-use application(s)	.31
G.1	Scope	
G.2	Product and installation parameters	
G.3	Standardized Mounting and fixing	.32
G.3.1	Test specimens for EN ISO 11925-2 (Ignitability) and EN 13823 (SBI)	.32
G.3.2	EN ISO 11925-2 (Ignitability)	
G.3.3	EN 13823 (SBI)	.32
Annex	H (normative) Rules for creating performance charts for loose-fill insulation and examples	
	of performance charts	
H.1	General	
H.2	Performance chart for loft insulation	
H.3	Performance chart for masonry cavity wall insulation and frame constructions insulation	.34
Annex	I (normative) Verification of performance chart according to Annex H (normative)	.36
I.1	Principle	
1.2	Procedure	
	J (normative) Specimen preparation method for coverage and density measurement	
J.1	Principle	
J.2	Procedure for ventilated roof space application	
J.3	Procedure for closed construction	.38
Annex	K (normative) Thermal insulating products for lofts - Determination of settlement for blown loose fill insulation	.39
K.1	Principle	
K.2	Apparatus	
K.3	Test specimens	
K.4	Test procedure	.39
K.5	Calculations and expression of results	
K.6	Test report	.40
Annex	L (informative) Masonry cavity walls - Method for determining suitable spacings for blowing holes	42
L.1	Test house	
L.1 L.2	Test method	
L.2 L.3	Observations	
L.3 L.4	Installation procedure	
	ZA (informative) Clauses of this European Standard addressing the provisions of the	
	EU Construction Products Directive	
ZA.1	Scope and relevant characteristics	.45

# EN 14064-1:2010 (E)

	Procedures for attestation of conformity of in-situ formed loose-fill mineral wool (MW)	
	products	46
	Systems of attestation of conformity	
ZA.2.2	EC certificate and declaration of conformity	49
ZA.3	CE Marking and labelling	51
Bibliog	raphy	54

# **Foreword**

This document (EN 14064-1:2010) has been prepared by Technical Committee CEN/TC 88 "Thermal insulating materials and products", the secretariat of which is held by DIN.

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 August 2010, and conflicting national standards shall be withdrawn at the latest by November 2011.

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 has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

EN 14064, Thermal insulation products for buildings — In-situ formed loose-fill mineral wool (MW) products, consists of two parts which form a package. The first part (this European Standard), which is the harmonised part satisfying the mandate, the CPD and is the basis for the CE marking, covers the products, which are placed on the market. The second part, which is the non-harmonised part, covers the specification for the installed products. Both parts need to be used for the application of the insulation product in the end-use applications covered by EN 14064.

This European Standard contains thirteen annexes:

fill insulation

The Large and Canada Contains a microstration of		
_	Annex A (normative)	Determination of the declared values of thermal resistance and thermal conductivity
	Annex B (normative)	Factory production control
	Annex C (normative)	Specimen preparation for thermal resistance and thermal conductivity test
_	Annex D (normative)	Specimen preparation for water absorption test
_	Annex E (normative)	Specimen preparation for airflow resistivity test
_	Annex F (normative)	Testing for reaction to fire of products
_	Annex G (normative)	Testing for reaction to fire of products in standardised assemblies simulating enduse applications
_	Annex H (normative)	Rules for creating performance charts for loose-fill insulation and examples of performance charts
_	Annex I (normative)	Verification of performance chart according to Annex H (normative)
_	Annex J (normative)	Specimen preparation method for coverage measurement
_	Annex K (normative)	Thermal insulating products for lofts – Determination of settlement for blown loose

Annex L (informative) Masonry cavity walls – Method for determining suitable spacing for blowing holes

#### EN 14064-1:2010 (E)

Annex ZA (informative) Clauses of this European Standard addressing the provisions of the EU Construction Products Directive

This European Standard is one of a series for mineral wool, expanded clay, expanded perlite, exfoliated vermiculite, polyurethane/polyisocyanurate, cellulose and bound expanded polystyrene in-situ formed insulation products used in buildings, but this standard may be used in other areas where appropriate.

The reduction in energy used and emissions produced during the installed life of insulation products exceeds by far the energy used and emissions made during the production and disposal processes.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

# 1 Scope

This European Standard specifies the requirements for blown loose-fill mineral wool products for in-situ installation in lofts, masonry cavity walls and frame constructions.

This European standard is a specification for the insulation products before installation. It describes the product characteristics and includes procedures for testing, marking and labelling.

This document does not specify the required level of a given property to be achieved by a product to demonstrate fitness for purpose in a particular application. The levels required for a given application are to be found in regulations or non-conflicting standards.

NOTE To avoid water penetration in masonry walls special tests adjusted to local climate might be needed.

This document does not cover factory made mineral wool (MW) insulation products or in-situ products intended to be used for the insulation of building equipment and industrial installations.

Products with a declared thermal resistance lower than  $0.25 \, \text{m}^2 \cdot \text{K/W}$  or a declared thermal conductivity greater than  $0.060 \, \text{W/(m\cdot K)}$  at 10 °C are not covered by this document.

This document does not cover products intended for airborne sound insulation and for acoustic absorption applications.

#### 2 Normative references

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

EN 823, Thermal insulating products for building applications — Determination of thickness

EN 1609:1996, Thermal insulating products for building applications — Determination of short term water absorption by partial immersion

EN 12667, Thermal performance of building materials and products — Determination of thermal resistance by means of guarded hot plate and heat flow meter methods — Products of high and medium thermal resistance

EN 13172:2008, Thermal insulation products — Evaluation of conformity

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

EN 13820, Thermal insulating materials for building applications — Determination of organic content

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

EN 15715:2009, Thermal insulation products — Instructions for mounting and fixing for reaction to fire testing — Factory made products

EN 29053:1993, Acoustics — Materials for acoustical applications — Determination of air flow resistance (ISO 9053:1991)

EN ISO 1182, Reaction to fire tests for building products — Non-combustibility test (ISO 1182:2002)



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