

ILNAS

Institut luxembourgeois de la normalisation
de l'accréditation, de la sécurité et qualité
des produits et services

ILNAS-EN 16863:2023

Thermal insulation products for buildings - Factory made reflective insulation (RI) products - Specification

Produits isolants thermiques pour le
bâtiment - Produits d'isolation
réfléchissants manufacturés -
Spécification

Wärmedämmstoffe für Gebäude -
Werkmäßig hergestellte reflektierende
Wärmedämmstoffe - Spezifikation

National Foreword

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English Version

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reflective insulation (RI) products - Specification**

Produits isolants thermiques pour le bâtiment -
Produits d'isolation réfléchissants manufacturés -
Spécification

Wärmedämmstoffe für Gebäude - Werkmäßig
hergestellte reflektierende Wärmedämmstoffe -
Spezifikation

This European Standard was approved by CEN on 17 April 2023.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents

	Page
European foreword.....	6
Introduction	7
1 Scope.....	8
2 Normative references.....	8
3 Terms, definitions, symbols, units and abbreviated terms	10
3.1 Terms and definitions	10
3.2 Symbols, units and abbreviated terms.....	12
4 Characteristics	13
4.1 Reaction to fire.....	13
4.2 Propensity to undergo continuous smouldering combustion	13
4.3 Water permeability	14
4.3.1 Short-term water absorption.....	14
4.3.2 Long term water absorption	14
4.3.3 Water penetration	14
4.4 Water vapour diffusion resistance	14
4.5 Micro-biological growth (for products containing vegetable or animal fibre layers) - Mould and biological resistance	14
4.6 Release of dangerous substances to the indoor environment.....	14
4.7 Tensile strength parallel to faces	15
4.8 Resistance to tearing.....	15
4.9 Compressive resistance (only for load bearing application in floors)	15
4.10 Sound absorption index (only for sound insulation application)	15
4.11 Impact sound transmission index (only for sound insulation in floor application)....	15
4.11.1 Dynamic stiffness	15
4.11.2 Compressibility.....	15
4.11.3 Air flow resistivity	15
4.12 Direct airborne sound insulation index (only for sound insulation application)	15
4.12.1 Air flow resistivity	15
4.12.2 Air flow permeability.....	16
4.13 Thermal resistance.....	16
4.13.1 Core thermal resistance.....	16
4.13.2 Emissivity.....	16
4.13.3 Thickness	16
4.14 Length.....	16
4.15 Width	17
4.16 Squareness (only for products supplied in form of board)	17
5 Testing, assessment and sampling methods	17
5.1 Test of reaction to fire	17
5.2 Test of continuous smouldering combustion	18
5.3 Test of water permeability	18
5.3.1 Short-term water absorption.....	18
5.3.2 Long-term water absorption.....	18
5.3.3 Water penetration	18
5.4 Water vapour transmission.....	18
5.5 Test of microbiological growth	18

5.5.1	General	18
5.5.2	Mould and biological resistance.....	19
5.6	Release of dangerous substances to the indoor environment.....	19
5.7	Tensile strength parallel to faces.....	19
5.8	Resistance to tearing	19
5.9	Compressive resistance (for loadbearing application in floors).....	19
5.10	Sound absorption index	19
5.11	Impact sound transmission index (only for application in floors).....	20
5.11.1	Dynamic stiffness.....	20
5.11.2	Compressibility	20
5.11.3	Air flow resistivity.....	20
5.12	Direct airborne sound insulation index (only for acoustical application)	20
5.12.1	Air flow resistivity.....	20
5.12.2	Air flow permeability	21
5.13	Thermal resistance	21
5.13.1	Core thermal resistance	21
5.13.2	Emissivity	22
5.13.3	Thickness.....	22
5.14	Length and tolerance.....	22
5.15	Width and tolerance	22
5.16	Squareness (only for product manufactured in board).....	23
5.17	Sampling	23
5.17.1	General	23
5.17.2	Conditioning	23
5.17.3	Overview of testing conditions	23
5.17.4	Test samples, testing and expression of results.....	23
6	Assessment and verification of the constancy of performance (AVCP)	25
6.1	General	25
6.2	Product type determination	25
6.3	Factory production control.....	25
7	Marking and labelling	26
Annex A	(normative) Reaction to fire, products and assemblies	27
A.1	General	27
Annex B	(normative) Determination of the declared value of thermal resistance of the core and the declared value of emissivity	31
B.1	Introduction	31
B.2	Input data	31
B.3	Declared values	31
B.3.1	General	31
B.3.2	Case where emissivity is declared	31
B.3.3	Case where thermal resistance is declared.....	32
Annex C	(informative) Examples for the determination of thermal resistance and emissivity	34
C.1	Case for emissivity.....	34
C.2	Case for core thermal resistance.....	35

Annex D (informative) Determining the total thermal resistance including associated airspace(s)	37
D.1 General.....	37
D.2 Calculation of thermal resistance including associated airspace(s)	37
D.3 Numerical example.....	38
Annex E (normative) Determination of thickness reduction level and required load of the weighted plate to be used for thickness measurement.....	39
E.1 General.....	39
E.2 Definition	39
E.3 Determination of the thickness reduction level of a product.....	39
E.4 Thickness reduction level of the product and specification of the weighted plate for thickness measurement according to EN ISO 29466:2022	39
Annex F (informative) Installed thickness measurement.....	41
F.1 Purpose of this test protocol	41
F.2 Scope of the test method.....	41
F.3 Definitions	41
F.4 Principle of the test method	42
F.5 Reference installations	42
F.6 Apparatus.....	43
F.6.1 Wooden assembly	43
F.6.2 Measuring bench	43
F.6.3 Measuring lines.....	44
F.7 Test specimen preparation.....	45
F.8 Procedure.....	45
F.8.1 Testing procedure.....	45
F.8.2 Measuring procedure	45
F.8.3 Sample measuring sheet (manual measurement)	46
F.8.4 Calculation and expression of results.....	46
F.9 Uncertainty of the test method and the measuring apparatus.....	47
F.9.1 General.....	47
F.9.2 Case of manual measurements.....	47
F.9.3 Case of 3D measurement.....	48
F.10 Test report.....	48
Annex G (informative) Examples of placement: test sample into the wooden assembly.....	49
G.1 General.....	49
G.2 Step by step procedure of installation.....	49
Annex H (normative) Product type determination (PTD) and factory production control (FPC)	54

H.1 General	54
Bibliography	58

European foreword

This document (EN 16863:2023) 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 December 2023, and conflicting national standards shall be withdrawn at the latest by March 2025.

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

This standard is one of a series of standards for thermal insulation products used in buildings but this standard can be used in other areas where appropriate. A list of all parts in a series can be found on the CEN website.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

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Introduction

Reflective insulation products are made from low emissive film(s) and infrared semi-transparent material layer(s) called spacers; like waddings of synthetic or natural fibres, synthetic foam or plastic filled with air bubbles.

Reflective (low emissivity at the appropriate wavelengths) surfaces are used to reduce the heat transfer by thermal radiation. This may occur across the product itself when it includes air cavities or a material that is wholly or partially transparent to infrared radiation, and/or across air gap(s) that are deliberately created between the external reflective surface(s) of the product and the structure of the building element.