

Accreditation



The Deutsche Akkreditierungsstelle attests with this **Accreditation Certificate** that the certification body

Forschungsinstitut für Wärmeschutz e.V. München
Lochhamer Schlag 4, 82166 Gräfelfing

meets the minimum requirements according to DIN EN ISO/IEC 17065:2013 for the conformity assessment activities specified in more detail in the partial accreditation certificates listed below. This includes additional existing legal and normative requirements, including those in relevant sectoral schemes.

The management system requirements of DIN EN ISO/IEC 17065 are written in the language relevant to the operations of certification bodies and confirm generally with the principles of DIN EN ISO 9001.

This accreditation was issued in accordance with Art. 5 Para. 1 Sentence 2 of Regulation (EC) 765/2008, after an accreditation procedure was carried out in compliance with the minimum requirements of DIN EN ISO/IEC 17011 and on the basis of a review and decision of the appointed accreditation committees.

This accreditation certificate only applies in connection with the notices of 28.07.2022 with accreditation number D-ZE-14116-01. It consists of this cover sheet, the reverse side of the cover sheet and the following annex.

Registration number of the accreditation certificate: **D-ZE-14116-01-00**

Berlin, 28.07.2022

Dipl.-Ing. Evelyn Körner
Head of Technical Unit

Translation issued:
28.07.2022



Dipl.-Ing. Evelyn Körner
Head of Technical Unit

The certificate together with the annex reflects the status as indicated by the date of issue. The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH (www.dakks.de).

Deutsche Akkreditierungsstelle GmbH

Office Berlin
Spittelmarkt 10
10117 Berlin

Office Frankfurt am Main
Europa-Allee 52
60327 Frankfurt am Main

Office Braunschweig
Bundesallee 100
38116 Braunschweig

The Deutsche Akkreditierungsstelle GmbH (DAkKS) is the entrusted national accreditation body of the Federal Republic of Germany according to § 8 section 1 AkkStelleG in conjunction with § 1 section 1 AkkStelleGBV. DAkKS is designated as the national accreditation authority by Germany according to Art. 4 Para. 4 of Regulation (EC) 765/2008 and clause 4.7 of DIN EN ISO/IEC 17000.

Pursuant to Art. 11 section 2 of Regulation (EC) 765/2008, the accreditation certificate shall be recognised as equivalent by the national authorities within the scope of this Regulation as well as by the WTO member states that have committed themselves in bilateral or multilateral mutual agreements to recognise the certificates of accreditation bodies that are members of ILAC or IAF as equivalent.

DAkKS is a signatory to the multilateral agreements for mutual recognition of the European co-operation for Accreditation (EA), International Accreditation Forum (IAF) and International Laboratory Accreditation Co-operation (ILAC).

The up-to-date state of membership can be retrieved from the following websites:

EA: www.european-accreditation.org

ILAC: www.ilac.org

IAF: www.iaf.nu

Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-ZE-14116-01-00 according to DIN EN ISO/IEC 17065:2013

Valid from: 28.07.2022

Date of issue: 28.07.2022

Holder of Accreditation Certification:

**Forschungsinstitut für Wärmeschutz e.V. München
Lochhamer Schlag 4, 82166 Gräfelfing**

The certification body meets the minimal requirements of DIN EN ISO/IEC 17065:2013 and, if applicable, additional legal and normative requirements, including those in relevant sectoral schemes, in order to carry out the conformity assessment activities listed below.

The management system requirements of DIN EN ISO/IEC 17065 are written in the language relevant to the operations of certification bodies and confirm generally with the principles of DIN EN ISO 9001.

Voluntary certification of thermal insulation products (Certification schemes of FIW München)

Certification of thermal insulation products (systems 1) and factory production control (system 2+) within the scope of the Regulation (EU) No 305/2011 laying down harmonised conditions for the marketing of construction products (Construction Products Regulation)

This certificate annex is only valid together with the written accreditation certificate and reflects the status as indicated by the date of issue. The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH at <https://www.dakks.de>.

Abbreviations used: see last page

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**1 Voluntary certification of thermal insulation products
(Certification schemes of FIW München)**

FIW München 30.11.2015	Certification scheme for ETICS insulation materials made of expanded polystyrene (EPS)
FIW München 12.11.2015	Extended certification scheme for ETICS insulation materials made of expanded polystyrene (EPS)
FIW München 22.01.2020	Certification scheme KEYMARK Thermal insulation products for buildings
FIW München 18.03.2021	Certification scheme VDI/KEYMARK Technical insulation
FIW München 01.02.2018	Certification scheme for insulation materials for buildings made of rigid polyurethane foam (PU)
FIW München 25.10.2021	Certification scheme for ETICS insulation materials made of mineral wool
FIW München 28.08.2018	Certification scheme for insulation boards made of cellular glass (CG) as load bearing layer and thermal insulation outside the water proofing
FIW München 28.11.2019	Certification scheme for insulation boards made of extruded polystyrene foam (XPS) as thermal insulation outside the water proofing
FIW München 09.11.2020	Certification scheme for insulation boards made of expanded polystyrene (EPS) as thermal insulation outside the waterproofing
FIW München 01.06.2021	Certification programme for thermal insulation boards made of extruded polystyrene (XPS) as core material for sandwich panels (XPS-CORE)
FIW München 26.08.2020	Certification scheme for ETICS insulation materials made of rigid polyurethane foam (PU)
FIW München 09.01.2020	Certification programme for thermal insulation boards for ETICS made phenolic foam (PF)

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2 Certification of thermal insulation products (systems 1) and factory production control (system 2+) within the scope of the Regulation (EU) No 305/2011 laying down harmonised conditions for the marketing of construction products (Construction Products Regulation)

Decision / resolution of the Commission	System ¹⁾	Technical specification
<p>1999/91/EC 2001/596/EC Thermal insulating products</p>	1	<p>EN 13162:2012+A1:2015 Thermal insulation products for buildings – Factory made mineral wool (MW) products - Specification</p>
		<p>EN 13163:2012+A1:2015 Thermal insulation products for buildings – Factory made expanded polystyrene (EPS) products - Specification</p>
		<p>EN 13164:2012+A1:2015 Thermal insulation products for buildings – Factory made extruded polystyrene foam (XPS) products - Specification</p>
		<p>EN 13165:2012+A2:2016 Thermal insulation products for buildings – Factory made rigid polyurethane foam (PU) products - Specification</p>
		<p>EN 13166:2012+ A2:2016 Thermal insulation products for buildings – Factory made phenolic foam (PF) products - Specification</p>
		<p>EN 13167:2012+A1:2015 Thermal insulation products for buildings – Factory made cellular glass (CG) products - Specification</p>
		<p>EN 13168:2012+A1:2015 Thermal insulation products for buildings – Factory made wood wool (WW) products - Specification</p>
		<p>EN 13169:2012+A1:2015 Thermal insulation products for buildings – Factory made expanded perlite board (EPB) products - Specification</p>
		<p>EN 13170:2012+A1:2015 Thermal insulation products for buildings – Factory made products of expanded cork (ICB) - Specification</p>
		<p>EN 13171:2012+A1:2015 Thermal insulation products for buildings – Factory made wood fibre (WF) products - Specification</p>
<p>EN 14063-1:2004+AC:2006 Thermal insulation products for buildings - In-situ formed expanded clay lightweight aggregate products – Part 1: Specification for the loose-fill products before installation</p>		

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Decision / resolution of the Commission	System ¹⁾	Technical specification
<p>1999/91/EC 2001/596/EC Thermal insulating products</p>	1	<p>EN 14064-1:2010 Thermal insulation products for buildings - In-situ formed loose-fill mineral wool (MW) products - Part 1: Specification for the loose-fill products before installation</p>
		<p>EN 14303:2009+A1:2013 Thermal insulation products for building equipment and industrial installations - Factory made mineral wool (MW) products - Specification</p>
		<p>EN 14304:2009+A1:2013 Thermal insulation products for building equipment and industrial installations - Factory made flexible elastomeric foam (FEF) products - Specification</p>
		<p>EN 14305:2009+A1:2013 Thermal insulation products for building equipment and industrial installations - Factory made cellular glass (CG) products - Specification</p>
		<p>EN 14306:2009+A1:2013 Thermal insulation products for building equipment and industrial installations - Factory made calcium silicate (CS) products - Specification</p>
		<p>EN 14307:2009+A1:2013 Thermal insulation products for building equipment and industrial installations - Factory made extruded polystyrene foam (XPS) products - Specification</p>
		<p>EN 14308:2009+A1:2013 Thermal insulation products for building equipment and industrial installations - Factory made rigid polyurethane foam (PUR) and polyisocyanurate foam (PIR) products - Specification</p>
		<p>EN 14309:2009+A1:2013 Thermal insulation products for building equipment and industrial installations - Factory made products of expanded polystyrene (EPS) - Specification</p>
		<p>EN 14313:2009+A1:2013 Thermal insulation products for building equipment and industrial installations - Factory made polyethylene foam (PEF) products - Specification</p>
		<p>EN 14314:2009+A1:2013 Thermal insulation products for building equipment and industrial installations - Factory made phenolic foam (PF) products - Specification</p>

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Decision / resolution of the Commission	System ¹⁾	Technical specification
<p>1999/91/EC 2001/596/EC Thermal insulating products</p>	<p>1</p>	<p>EN 14315-1:2013 Thermal insulating products for buildings - In-situ formed sprayed rigid polyurethane (PUR) and polyisocyanurate (PIR) foam products - Part 1: Specification for the rigid foam spray system before installation</p>
		<p>EN 14316-1:2004 Thermal insulation products for buildings - In-situ thermal insulation formed from expanded perlite (EP) products - Part 1: Specification for bonded and loose-fill products before installation</p>
		<p>EN 14317-1:2004 Thermal insulation products for buildings - In-situ thermal insulation formed from exfoliated vermiculite (EV) products - Part 1: Specification for bonded and loose-fill products before installation</p>
		<p>EN 14318-1:2013 Thermal insulating products for buildings - In-situ formed dispensed rigid polyurethane (PUR) and polyisocyanurate (PIR) foam products - Part 1: Specification for the rigid foam dispensed system before installation</p>
		<p>EN 14319-1:2013 Thermal insulating products for building equipment and industrial installations - In-situ formed dispensed rigid polyurethane (PUR) and polyisocyanurate foam (PIR) products - Part 1: Specification for the rigid foam dispensed system before installation</p>
		<p>EN 14320-1:2013 Thermal insulating products for building equipment and industrial installations - In-situ formed sprayed rigid polyurethane (PUR) and polyisocyanurate foam (PIR) products - Part 1: Specification for the rigid foam spray system before installation</p>
		<p>EN 15501:2013 Thermal insulation products for building equipment and industrial installations - Factory made expanded perlite (EP) and exfoliated vermiculite (EV) products - Specification</p>

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Decision / resolution of the Commission	System ¹⁾	Technical specification
<p>1999/91/EC 2001/596/EC Thermal insulating products</p>	<p>1</p>	<p>EN 15599-1:2010 Thermal insulation products for building equipment and industrial installations - In-situ thermal insulation formed from expanded perlite (EP) products - Part 1: Specification for bonded and loose-fill products before installation</p>
		<p>EN 15600-1:2010 Thermal insulation products for building equipment and industrial installations - In-situ thermal insulation formed from exfoliated vermiculite (EV) products - Part 1: Specification for bonded and loose-fill products before installation</p>
		<p>EN 15732:2012 Light weight fill and thermal insulation products for civil engineering applications (CEA) - Expanded clay lightweight aggregate products (LWA)</p>
		<p>EN 16025-1:2013²⁾ Thermal and/or sound insulating products in building construction - Bound EPS ballastings - Part 1: Requirements for factory premixed EPS dry plaster</p>
		<p>EAD 040005-00-1201 Factory-made thermal and/or acoustic insulation products made of vegetable or animal fibres</p>
		<p>EAD 040010-00-1201 Insulation product made of expanded perlite (EPB)</p>
		<p>EAD 040011-00-1201 Vacuum insulation panels (VIP) with factory applied protection layers</p>
		<p>EAD 040012-00-1201 Thermal insulation board made of mineral material</p>
		<p>EAD 040037-00-1201 Low lambda composite boards made of mineral wool fibres and aerogel additives</p>
		<p>EAD 040057-00-1201 Thermal insulation board made of microporous silica</p>
		<p>EAD 040065-00-1201 Thermal insulation and/or sound absorbing boards based on expanded polystyrene and cement</p>
		<p>EAD 040090-00-1201 Factory-made boards and products formed by moulding of an expanded polylactic acid (E-PLA) for thermal and/ or acoustical insulation</p>

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Decision / resolution of the Commission	System ¹⁾	Technical specification
<p>1999/91/EC 2001/596/EC Thermal insulating products</p>	1	<p>EAD 040138-01-1201 In-situ formed loose fill thermal and/or acoustic insulation products made of vegetable fibres</p>
		<p>EAD 040288-00-1201 Factory-made thermal and acoustic insulations made of polyester fibres</p>
		<p>EAD 040456-00-1201 In-situ formed loose-fill thermal and/or acoustic insulation material made of animal fibres</p>
		<p>EAD 040461-00-1201 Thermal insulation product made of loose fill expanded perlite (EP)</p>
		<p>EAD 040635-00-1201 Thermal and/or sound insulation based on bound expanded polystyrene bulk material</p>
		<p>EAD 040643-00-1201 Fiber reinforced silica aerogel thermal insulation</p>
		<p>EAD 040650-00-1201 Extruded polystyrene foam boards as load bearing layer and/or thermal insulation outside the waterproofing</p>
		<p>EAD 040729-00-1201 Thermal insulation made of loose fill mineral wool</p>
		<p>EAD 040773-00-1201 Expanded polystyrene foam boards as load bearing layer and thermal insulation outside the waterproofing</p>
		<p>EAD 041561-00-1201 In-situ formed thermal insulation made of mineral based foam</p>
<p>1995/467/EC Structural bearings</p>	1	<p>EAD 040394-00-1201 Factory made cellular glass loose fill</p>
		<p>EAD 040650-00-1201 Extruded polystyrene foam boards as load bearing layer and/or thermal insulation outside the waterproofing</p>
		<p>EAD 040773-00-1201 Expanded polystyrene foam boards as load bearing layer and thermal insulation outside the waterproofing</p>
		<p>EAD 040777-00-1201 Cellular glass boards as load bearing layer and thermal insulation outside the waterproofing</p>

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Decision / resolution of the Commission	System ¹⁾	Technical specification
1997/556/EC External thermal insulation composite systems/kits with rendering (ETICS)	1/2+	ETAG 004:Version 03/2013 External Thermal Insulation Composite Systems with Rendering
		EAD 040083-00-0404 External Thermal Insulation Composite Systems (ETICS) with renderings

¹⁾ System of assessment and verification of consistency of performance

²⁾ Harmonization in preparation

The requirements for a certification body for products and for a certification body for factory production control according to Annex V of the Construction Products Regulation are fulfilled according to article 43 of the Construction Products Regulation. Required tasks which the holder of the certificate cannot perform are described in the list of subcontractors.

Without prior approval by the DAkKS German Accreditation Body, the certification body is permitted to use new revisions of harmonised technical standards in certification schemes.

Abbreviations used:

EAD	European Assessment Document
ETAG	European Technical Approval Guideline
FIW München	Forschungsinstitut für Wärmeschutz e.V

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