

Accreditation



The Deutsche Akkreditierungsstelle attests with this **Accreditation Certificate** that the testing laboratory

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

meets the requirements according to DIN EN ISO/IEC 17025:2018 for the conformity assessment activities listed in the annex to this certificate. This includes additional existing legal and normative requirements for the testing laboratory, including those in relevant sectoral schemes, provided they are explicitly confirmed in the annex to this certificate.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and they conform to 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 18.12.2023 with accreditation number D-PL-14116-01.

It consists of this cover sheet, the reverse side of the cover sheet and the following annex with a total of 16 pages.

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

Berlin, 18.12.2023

Dipl.-Ing. Evelyn Körner
Head of Technical Unit

Translation issued:
18.12.2023



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).

This document is a translation. The definitive version is the original German accreditation certificate.

See notes overleaf

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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-PL-14116-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 18.12.2023

Date of issue: 18.12.2023

Holder of accreditation certificate:

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

with the location

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

The testing laboratory meets the requirements of DIN EN ISO/IEC 17025:2018 to carry out the conformity assessment activities listed in this annex. The testing laboratory meets additional legal and normative requirements, if applicable, including those in relevant sectoral schemes, provided that these are explicitly confirmed below.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and they conform to the principles of DIN EN ISO 9001.

Tests in the fields:

**Tests at thermal insulation materials, building materials, underlays and construction units:
determination of the thermal conductivity and of the service temperature; tests of reaction to fire;
tests of the mechanically-technological, physical and selected chemical properties as well as sampling
of thermal insulation materials on behalf of certification bodies**

**Testing of flexible sheets for waterproofing and thermal insulation products (system of assessment
and verification of constancy of performance 3) 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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Tests of reaction to fire of construction products, for which the reference to a relevant harmonised technical specification is not required (chapter 3. Annex V, (EU) No 305/2011)

Within the scope of accreditation marked with * the testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use standards or equivalent testing methods listed here with different issue dates.

The listed testing methods are exemplary. The testing laboratory maintains a current list of all testing methods within the flexible scope of accreditation.

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Annex to the Accreditation Certificate D-PL-14116-01-00

1 Tests at thermal insulation materials, building materials, underlays and construction units: determination of the thermal conductivity and of the service temperature; tests of reaction to fire; tests of the mechanically-technological, physical and selected chemical properties as well as sampling of thermal insulation materials on behalf of certification bodies

1.1 Tests of thermal conductivity *

EN ISO 8497 1996	Thermal insulation - Determination of steady-state thermal transmission properties of thermal insulation for circular pipes
ISO 8301 AMD 1 2010-08	Thermal insulation - Determination of steady-state thermal resistance and related properties - Heat flow meter apparatus; Amendment 1
ISO 8302 1991-08	Thermal insulation; determination of steady-state thermal resistance and related properties; guarded hot plate apparatus
EN 12664 2001	Thermal performance of building materials and products - Determination of thermal resistance by means of guarded hot plate and heat flow meter methods - Dry and moist products with medium and low thermal resistance
EN 12667 2001	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 12939 2000	Thermal performance of building materials and products - Determination of thermal resistance by means of guarded hot plate and heat flow meter methods - Thick products of high and medium thermal resistance
DIN 52612-3 1984-06	Testing of Thermal Insulating Materials; Determination of Thermal Conductivity by the Guarded Hot Plate Apparatus; Thermal Resistance of Laminated Materials for Use in Building Practice <i>(withdrawn standard)</i>
DIN 52613 1977-01	Thermal Insulation Testings; Determination of Thermal Conductivity by the Tube Method <i>(withdrawn standard)</i>
ASTM C 177 2019	Standard Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Guarded-Hot-Plate Apparatus

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ASTM C 518 2017	Standard Test Method for Steady-State Heat Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus
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ASTM C 335/C335M 2017	Standard Test Method for Steady-State Heat Transfer Properties of Horizontal Pipe Insulation
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1.2 Tests of reaction to fire *

EN 16733 2016-07	Reaction to fire tests for building products - Determination of a building product's propensity to undergo continuous smouldering
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DIN 4102-1 1998-05	Fire behavior of building materials and building components - Part 1: Building materials; concepts, requirements and tests <i>(here: Paragraph 6.2 - Building material class B2 and Paragraph 6.3 - Building material class B3)</i>
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1.3 Tests of the service temperature *

ISO 8142 1990-03	Thermal insulation; bonded preformed man-made mineral fibre pipe sections; specification
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EN 14706 2012	Thermal insulating products for building equipment and industrial installations - Determination of maximum service temperature
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EN 14707 2012	Thermal insulating products for building equipment and industrial installations - Determination of maximum service temperature for preformed pipe insulation
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DIN 52271 1981-06	Testing of mineral fibre insulating materials; Behaviour at elevated temperatures <i>(withdrawn standard)</i>
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1.4 Tests of dimensions and bulk density as mechanically-technological characteristics *

ISO 23766 2022	Thermal insulating products for industrial installations - Determination of the coefficient of linear thermal expansion at sub-ambient temperatures Method B
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EN ISO 4590 2016	Rigid cellular plastics - Determination of the volume percentage of open cells and of closed cells
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EN ISO 9053-1 2018	Acoustics - Determination of airflow resistance - Part 1: Static airflow method
EN ISO 16535 2019	Thermal insulating products for building applications - Determination of long term water absorption by immersion
EN ISO 16536 2019	Thermal insulating products for building applications - Determination of long term water absorption by diffusion
EN ISO 29767 2019	Thermal insulating products for building applications - Determination of short term water absorption by partial immersion
EN 822 2013	Thermal insulating products for building applications - Determination of length and width
EN 823 2013	Thermal insulating products for building applications - Determination of thickness
EN 824 2013	Thermal insulating products for building applications - Determination of squareness
EN 825 2013	Thermal insulating products for building applications - Determination of flatness
EN 826 2013	Thermal insulating products for building applications - Determination of compression behavior
EN 1602 2013	Thermal insulating products for building applications - Determination of the apparent density
EN 1603 2013	Thermal insulating products for building applications - Determination of dimensional stability under constant normal laboratory conditions (23 °C/ 50 % relative humidity)
EN 1604 2013	Thermal insulating products for building applications - Determination of dimensional stability under specified temperature and humidity conditions
EN 1605 2013	Thermal insulating products for building applications - Determination of deformation under specified compressive load and temperature conditions
EN 1606 2013	Thermal insulating products for building applications - Determination of compressive creep

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EN 1607 2013	Thermal insulating products for building applications - Determination of tensile strength perpendicular to faces
EN 1608 2013	Thermal insulating products for building applications - Determination of tensile strength parallel to faces
EN 1609 2013	Thermal insulating products for building applications - Determination of short term water absorption by partial immersion <i>(withdrawn standard)</i>
EN 12085 2013	Thermal insulating products for building applications - Determination of linear dimensions of test specimen
EN 12087 2013	Thermal insulating products for building applications - Determination of long term water absorption by immersion <i>(withdrawn standard)</i>
EN 12088 2013	Thermal insulating products for building applications - Determination of long term water absorption by diffusion <i>(withdrawn standard)</i>
EN 12089 2013	Thermal insulating products for building applications - Determination of bending behavior
EN 12090 2013	Thermal insulating products for building applications - Determination of shear behavior
EN 12091 2013	Thermal insulating products for building applications - Determination of freeze-thaw resistance
EN 12114 2000	Thermal performances of buildings - Air permeability of building components and building elements - Laboratory test method
EN 12430 2013	Thermal insulating products for building applications - Determination of behaviour under point load
EN 12431 2013	Thermal insulating products for building applications - Determination of thickness for floating floor insulating products
EN 13467 2018	Thermal insulating products for building equipment and industrial installations - Determination of dimensions, squareness and linearity of preformed pipe insulation

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EN 13470 2001	Thermal insulating products for building equipment and industrial installations - Determination of the apparent density of preformed pipe insulation
EN 13471 2001	Thermal insulating products for building equipment and industrial installations - Determination of the coefficient of thermal expansion
EN 13472 2012	Thermal insulating products for building equipment and industrial installations - Determination of short term water absorption by partial immersion of preformed pipe insulation
EN 13820 2003-12	Thermal insulating materials for building applications - Determination of organic content
EN 17140 2020	Thermal insulation products for buildings - Factory-made vacuum insulation panels (VIP) – Specification chapter 5.2.6.2 Thermal resistance of the ventilated VIP under ambient pressure due to damage annex D Measurement of $p_{1/2}$ of core materials annex E Barrier performance of the envelope annex F Determination of desiccant service life time annex G Measurement of inner pressure
EN 29052-1 1991	Acoustics; determination of dynamic stiffness; part 1: materials used under floating floors in dwellings
EN 29053 1993	Acoustics; materials for acoustical applications; determination of airflow resistance <i>(withdrawn standard)</i>
DIN 18159-1 1991-12	Cellular plastics as in-situ cellular plastics in building; in-situ polyurethane (PUR) foam for thermal insulation; application, properties, execution, testing <i>(withdrawn standard)</i>
DIN 18159-2 1978-06	Cellular Plastics as in-situ Foam in Building; In-situ Foam Produced from Urea-formaldehyde (UF) Resin for Thermal Insulation; Application, Properties, Execution, Testing
DIN 52273 1993-05	Testing of mineral wool insulating materials; determination of annealing loss <i>(withdrawn standard)</i>

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DIN 52275-1 1977-01	Testing of mineral fibrous insulating materials; determination of linear dimensions and bulk density, plain products <i>(withdrawn standard)</i>
DIN 52275-2 1978-08	Testing of mineral fibrous insulating materials; determination of linear dimensions and bulk density, casings
DIN 53421 1984-06	Testing of rigid cellular plastics; compression test <i>(withdrawn standard)</i>
DIN 53424 1978-12	Testing of Rigid Cellular Materials; Determination of Dimensional Stability at Elevated Temperatures with Flexural Load and with Compressive Load <i>(withdrawn standard)</i>
DIN 53431 1977-08	Testing of rigid cellular plastics; determination of dimensional stability <i>(withdrawn standard)</i>
DIN 53433 1983-07	Testing of rigid cellular plastics; determination of water absorption by water immersion <i>(withdrawn standard)</i>

1.5 Tests of chemical behavior *

EN ISO 10304-1 2009	Water quality - Determination of dissolved anions by liquid chromatography of ions - Part 1: Determination of bromide, chloride, fluoride, nitrate, nitrite, phosphate and sulfate <i>(Limitation to the determination of the dissolved anions chloride)</i>
EN 13468 2001	Thermal insulating products for building equipment and industrial installations - Determination of trace quantities of water soluble chloride, fluoride, silicate, and sodium ions and pH <i>(Limitation to the determination of the chloride ions and the pH value)</i>

1.6 Tests of water vapour transmission properties *

EN ISO 12570 2000+A1:2013+A2:2018	Hygrothermal performance of building materials and products - Determination of moisture content by drying at elevated temperature
EN ISO 12571 2013	Hygrothermal performance of building materials and products - Determination of hygroscopic sorption properties

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EN ISO 12572 2016	Hygrothermal performance of building materials and products - Determination of water vapour transmission properties
EN 1931 2000	Flexible sheets for waterproofing - Bitumen, plastic and rubber sheets for roof waterproofing - Determination of water vapour transmission properties
EN 12086 2013	Thermal insulating products for building applications - Determination of water vapour transmission properties
EN 13469 2012	Thermal insulating products for building equipment and industrial installations - Determination of water vapour transmission properties of preformed pipe insulation
DIN 52615 1987-11	Testing of thermal insulating materials; determination of water vapour (moisture) permeability of construction and insulating materials <i>(withdrawn standard)</i>
ASTM E 96/E 96M 2016	Standard Test Methods for Water Vapour Transmission of Materials

1.7 Tests of underlays *

EN 1107-1 1999	Flexible sheets for waterproofing - Determination of dimensional stability - Part 1: Bitumen sheets for roof waterproofing
EN 1107-2 2001	Flexible sheets for waterproofing - Determination of dimensional stability - Part 2: Plastic and rubber sheets for roof waterproofing
EN 1109 2013	Flexible sheets for waterproofing - Bitumen sheets for roof waterproofing - Determination of flexibility at low temperature
EN 1296 2000	Flexible sheets for waterproofing - Bitumen, plastic and rubber sheets for roof waterproofing - Method for artificial ageing by long term exposure to elevated temperature
EN 1297 2004	Flexible sheets for waterproofing - Bitumen, plastic and rubber sheets for roof waterproofing - Method of artificial ageing by long term exposure to the combination of UV radiation, elevated temperature and water
EN 1848-1 1999	Flexible sheets for waterproofing - Determination of length, width and straightness - Part 1: Bitumen sheets for roof waterproofing

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EN 1848-2 2019	Flexible sheets for waterproofing - Determination of length, width, straightness and flatness - Part 2: Plastic and rubber sheets for roof waterproofing
EN 1849-1 1999	Flexible sheets for waterproofing - Determination of thickness and mass per unit area - Part 1: Bitumen sheets for roof waterproofing
EN 1849-2 2009	Flexible sheets for waterproofing - Determination of thickness and mass per unit area - Part 2: Plastic and rubber sheets
EN 1928 2000	Flexible sheets for waterproofing - Bitumen, plastic and rubber sheets for roof waterproofing - Determination of water tightness
EN 12310-1 1999	Flexible sheets for waterproofing - Part 1: Bitumen sheets for roof waterproofing; determination of resistance to tearing (nail shank)
EN 12311-1 1999	Flexible sheets for waterproofing - Part 1: Bitumen sheets for roof waterproofing; Determination of tensile properties
EN 13111 2010	Flexible sheets for waterproofing - Underlays for discontinuous roofing and walls - Determination of resistance to water penetration
EN 13416 2001	Flexible sheets for waterproofing - Bitumen, plastic and rubber sheets for roof waterproofing - Rules for sampling
EN 13859-1 2014	Flexible sheets for waterproofing - Definitions and characteristics of underlays - Part 1: Underlays for discontinuous roofing
EN 13859-2 2014	Flexible sheets for waterproofing - Definitions and characteristics of underlays - Part 2: Underlays for walls

1.8 Sampling

va 8-(3a) 2017-04	Sampling of thermal insulation materials - withdrawal on behalf of EUCEB and GGM
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2 Testing of flexible sheets for waterproofing and thermal insulation products (system of assessment and verification of constancy of performance 3) 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
1999/90/EC Membranes – Roof underlays (in buildings)	3	EN 13859-1:2010 Flexible sheets for waterproofing - Definitions and characteristics of underlays - Part 1: Underlays for discontinuous roofing
1999/90/EC Membranes – Water vapour control layers (in buildings)	3	EN 13859-1:2010 Flexible sheets for waterproofing - Definitions and characteristics of underlays - Part 1: Underlays for discontinuous roofing
		EN 13859-2:2010 Flexible sheets for waterproofing - Definitions and characteristics of underlays - Part 2: Underlays for walls
		EN 13984:2013 Flexible sheets for waterproofing - Plastic and rubber vapour control layers - Definitions and characteristics
1999/91/EC Thermal insulating products (factory-made products and products intended to be formed in-situ)	3	EN 13162:2012+A1:2015 Thermal insulation products for buildings - Factory made mineral wool (MW) products - Specification
		EN 13163:2012+A1:2015 Thermal insulation products for buildings - Factory made expanded polystyrene (EPS) products - Specification
		EN 13164:2012+A1:2015 Thermal insulation products for buildings - Factory made extruded polystyrene foam (XPS) products - Specification
		EN 13165:2012+A2:2016 Thermal insulation products for buildings - Factory made rigid polyurethane foam (PU) products – Specification
		EN 13166:2012+A2:2016 Thermal insulation products for buildings - Factory made phenolic foam (PF) products – Specification
		EN 13167:2012+A1:2015 Thermal insulation products for buildings - Factory made cellular glass (CG) products - Specification

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Decision / resolution of the commission	System ¹⁾	Technical specification
<p>1999/91/EC Thermal insulating products (factory-made products and products intended to be formed in-situ)</p>	3	<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 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>		

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Decision / resolution of the commission	System ¹⁾	Technical specification
<p>1999/91/EC Thermal insulating products (factory-made products and products intended to be formed in-situ)</p>	<p>3</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>
		<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 (PIR) foam products - Part 1: Specification for the rigid foam dispensed system before installation</p>

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Decision / resolution of the commission	System ¹⁾	Technical specification
<p>1999/91/EC Thermal insulating products (factory-made products and products intended to be formed in-situ)</p>	<p>3</p>	<p>EN 14320-1:2013 Thermal insulating products for building equipment and industrial installations - 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 14933:2007 Thermal insulation and light weight fill products for civil engineering applications - Factory made products of expanded polystyrene (EPS) - Specification</p>
		<p>EN 14934:2007 Thermal insulation and light weight fill products for civil engineering applications - Factory made products of extruded polystyrene foam (XPS) - Specification</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>
		<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 16069:2012+A1:2015 Thermal insulation products for buildings - Factory made products of polyethylene foam (PEF) - Specification</p>
		<p>ETA-98/0009 Insulation panels and insulation felts</p>

¹⁾ of assessment and verification of constancy of performance

The requirements for a testing laboratory are fulfilled according to article 43 of the Construction Products Regulation. Testing methods, which are necessary for determining the product type and cannot be executed by the holder of the certificate, are described in the list of subcontractors.

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The testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use harmonized technical standards with different issue dates.

3 Tests of reaction to fire of construction products, for which the reference to a relevant harmonised technical specification is not required (chapter 3. Annex V, (EU) No 305/2011)

Reaction to fire*

EN ISO 1182 2010	Reaction to fire tests for products - Non-combustibility test
EN ISO 1716 2018	Reaction to fire tests for products - Determination of the gross heat of combustion (calorific value)
EN ISO 11925-2 2010	Reaction to fire tests - Ignitability of products subjected to direct impingement of flame - Part 2: Single-flame source test <i>(here: Euro-class E)¹⁾</i>

In connection with:

<i>EN 13501-1 2018</i>	<i>Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests</i>
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¹⁾ Testing methods within the standard, which cannot be executed by the holder of the certificate, are described in the list of subcontractors.

Annex to the Accreditation Certificate D-PL-14116-01-00

Abbreviations used:

ASTM	American Society for Testing and Materials
EN	European Standards
EUCEB	European Certification Board for Mineral Wool Products
ETA	European technical approval
GGM	Gütegemeinschaft Mineralwolle e.V.
ISO	International Standardization Organization
va-	In house method of the CAB

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