

# Accreditation



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

**Materialprüfanstalt für das Bauwesen und Produktionstechnik  
Nienburger Straße 3, 30167 Hannover**

meets the requirements of DIN EN ISO/IEC 17025:2018 for the conformity assessment activities specified in the following partial accreditation certificates. This includes additional existing legal and normative requirements for the testing laboratory, including those in relevant sectoral schemes, provided that these are explicitly confirmed in the annexes to the partial accreditation certificates listed below.

**D-PL-11220-01-01**

**D-PL-11220-01-02**

**D-PL-11220-01-03**

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories 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 consists of this cover sheet, the reverse side of the cover sheet and the following annex. It only applies in connection with the partial accreditation certificates listed above and the notices referred to there.

Registration number of the certificate: **D-PL-11220-01-00**

Berlin, 04.04.2023

Dipl.-Ing. Gabriel Zrenner  
Head of Department

Translation issued:  
16.10.2023

by proxy   
Dipl.-Ing. Gabriel Zrenner  
Head of Department

*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](http://www.dakks.de)).*

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

See notes overleaf

# 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](http://www.european-accreditation.org)

ILAC: [www.ilac.org](http://www.ilac.org)

IAF: [www.iaf.nu](http://www.iaf.nu)

## Deutsche Akkreditierungsstelle

### Annex to the Accreditation Certificate D-PL-11220-01-00 according to DIN EN ISO/IEC 17025:2018

**Valid from:** 04.04.2023

**Date of issue:** 04.04.2023

Holder of accreditation certificate:

**Materialprüfanstalt für das Bauwesen und Produktionstechnik  
Nienburger Straße 3, 30167 Hannover**

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 in the annexes to the partial accreditation certificates listed below.

**D-PL-11220-01-01**

**D-PL-11220-01-02**

**D-PL-11220-01-03**

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

*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>.*

# Accreditation



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

**Materialprüfanstalt für das Bauwesen und Produktionstechnik  
Nienburger Straße 3, 30167 Hannover**

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 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 partial accreditation certificate only applies in connection with the notice of 04.04.2023 with accreditation number D-PL-11220-01.

It consists of this cover sheet, the reverse side of the cover sheet and the following annex with a total of 12 pages.

Registration number of the partial accreditation certificate: **D-PL-11220-01-01**

It is a part of the accreditation certificate: D-PL-11220-01-00.

Berlin, 04.04.2023

Dipl.-Ing. Gabriel Zrenner  
Head of Department

Translation issued:  
16.10.2023

by proxy   
Dipl.-Ing. Gabriel Zrenner  
Head of Department

*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](http://www.dakks.de)).*

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

See notes overleaf

# 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](http://www.european-accreditation.org)

ILAC: [www.ilac.org](http://www.ilac.org)

IAF: [www.iaf.nu](http://www.iaf.nu)

# Deutsche Akkreditierungsstelle

## Annex to the Partial Accreditation Certificate D-PL-11220-01-01 according to DIN EN ISO/IEC 17025:2018

**Valid from:** 04.04.2023

**Date of issue:** 04.04.2023

This annex is a part of the accreditation certificate D-PL-11220-01-00.

Holder of partial accreditation certificate:

**Materialprüfanstalt für das Bauwesen und Produktionstechnik  
Nienburger Straße 3, 30167 Hannover**

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 confirm generally with the principles of DIN EN ISO 9001.

**Mechanical-technological and physical testing of building materials, construction products and geotextiles;**

**Testing of construction products under Regulation (EU) No 305/2011 laying down harmonised conditions for the marketing of construction products (Construction Products Regulation);  
Testing of the fire behaviour of construction products for which no indication of a relevant harmonised technical specification is required (item 3, Annex V, (EU) No 305/2011)**

**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 testing laboratory maintains a current list of all testing methods within the flexible scope of accreditation.**

*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>.*



**Annex to the Partial Accreditation Certificate D-PL-11220-01-01**

**1 Mechanical-technological and physical testing of building materials, construction products and geotextiles**

**1.1 External wall cladding**

DIN 18516-1  
2010-06                      Cladding for external walls, ventilated at rear - Part 1: Requirements, principles of testing

EAD 090062-00-0404  
2018-07                      Kits for external wall claddings mechanically fixed,  
here: ANNEX I – Mechanical resistance of the connection between the cladding element and the cladding fixing

**1.2 Concrete**

**1.2.1 Fresh concrete**

DIN EN 12350-1  
2019-09                      Testing fresh concrete - Part 1: Sampling and common apparatus

DIN EN 12350-2  
2019-09                      Testing fresh concrete - Part 2: Slump test

DIN EN 12350-4  
2019-09                      Testing fresh concrete - Part 4: Degree of compactability

DIN EN 12350-5  
2019-09                      Testing fresh concrete - Part 5: Flow table test

DIN EN 12350-6  
2019-09                      Testing fresh concrete - Part 6: Density

DIN EN 12350-7  
2019-09                      Testing fresh concrete - Part 7: Air content - Pressure methods

**1.2.2 Hardened concrete**

DIN EN 480-11  
2005-12                      Admixtures for concrete, mortar and grout - Test methods - Part 11: Determination of air void characteristics in hardened concrete

DIN EN 1348  
2007-11                      Adhesives for tiles - Determination of tensile adhesion strength for cementitious adhesives  
(*withdrawn*)

Valid from:                04.04.2023

Date of issue:            04.04.2023

**Page 2 of 12**

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

## Annex to the Partial Accreditation Certificate D-PL-11220-01-01

DIN EN 12390-1 2012-12	Testing hardened concrete - Part 1: Shape, dimensions and other requirements for specimens and moulds
DIN EN 12390-2 2019-10	Testing hardened concrete - Part 2: Making and curing specimens for strength tests
DIN EN 12390-3 2019-10	Testing hardened concrete - Part 3: Compressive strength of test specimens
DIN EN 12390-6 2010-09	Testing hardened concrete - Part 6: Tensile splitting strength of test specimens
DIN EN 12390-7 2021-01	Testing hardened concrete - Part 7: Density of hardened concrete
DIN EN 12390-13 2014-06	Testing hardened concrete - Part 13: Determination of secant modulus of elasticity in compression
DIN EN 14629 2007-06	Products and systems for the protection and repair of concrete structures - Test methods - Determination of chloride content in hardened concrete

### 1.3 Thermal insulating products

DIN EN ISO 29767 2019-11	Thermal insulating products for building applications - Determination of short-term water absorption by partial immersion
DIN EN 822 2013-05	Thermal insulating products for building applications - Determination of length and width
DIN EN 823 2013-05	Thermal insulating products for building applications - Determination of thickness
DIN EN 824 2013-05	Thermal insulating products for building applications - Determination of squareness
DIN EN 825 2013-05	Thermal insulating products for building applications - Determination of flatness ( <i>withdrawn</i> )
DIN EN 826 2013-05	Thermal insulating products for building applications - Determination of compression behaviour
DIN EN 1602 2013-05	Thermal insulating products for building applications - Determination of the apparent density

Valid from: 04.04.2023

Date of issue: 04.04.2023

Page 3 of 12

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



**Annex to the Partial Accreditation Certificate D-PL-11220-01-01**

DIN EN 1603 2013-05	Thermal insulating products for building applications - Determination of dimensional stability under constant normal laboratory conditions (23 °C/ 50 % relative humidity)
DIN EN 1604 2013-05	Thermal insulating products for building applications - Determination of dimensional stability under specified temperature and humidity conditions
DIN EN 1605 2013-05	Thermal insulating products for building applications - Determination of deformation under specified compressive load and temperature conditions
DIN EN 1607 2013-05	Thermal insulating products for building applications - Determination of tensile strength perpendicular to faces
DIN EN 1608 2013-05	Thermal insulating products for building applications - Determination of tensile strength parallel to faces
DIN EN 1609 2013-05	Thermal insulating products for building applications - Determination of short term water absorption by partial immersion ( <i>withdrawn</i> )
DIN EN 12085 2013-06	Thermal insulating products for building applications - Determination of linear dimensions of test specimen
DIN EN 12086 2013-06	Thermal insulating products for building applications - Determination of water vapour transmission properties
DIN EN 12087 2013-06	Thermal insulating products for building applications - Determination of long term water absorption by immersion ( <i>withdrawn</i> )
DIN EN 12089 2013-06	Thermal insulating products for building applications - Determination of bending behaviour
DIN EN 12090 2013-06	Thermal insulating products for building applications - Determination of shear behaviour
DIN EN 12091 2013-06	Thermal insulating products for building applications - Determination of freeze-thaw resistance
DIN EN 29052-1 1992-08	Acoustics; determination of dynamic stiffness; part 1: materials used under floating floors in dwellings

Valid from: 04.04.2023

Date of issue: 04.04.2023

**Page 4 of 12**

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

**Annex to the Partial Accreditation Certificate D-PL-11220-01-01**

DIN EN 29053 1993-05	Acoustics; materials for acoustical applications; determination of airflow resistance ( <i>withdrawn</i> )
-------------------------	---

**1.4 Masonry units**

DIN EN 678 1994-02	Determination of the dry density of autoclaved aerated concrete
-----------------------	---

DIN EN 679 2005-09	Determination of the compressive strength of autoclaved aerated concrete
-----------------------	--

DIN EN 680 2006-03	Determination of the drying shrinkage of autoclaved aerated concrete
-----------------------	--

DIN EN 772-1 2016-05	Methods of test for masonry units - Part 1: Determination of compressive strength
-------------------------	---

DIN EN 772-3 1998-10	Methods of test for masonry units - Part 3: Determination of net volume and percentage of voids of clay masonry units by hydrostatic weighing
-------------------------	---

DIN EN 772-9 2005-05	Methods of test for masonry units - Part 9: Determination of volume and percentage of voids and net volume of clay and calcium silicate masonry units by sand filling
-------------------------	---

DIN EN 772-10 1999-04	Methods of test for masonry units - Part 10: Determination of moisture content of calcium silicate and autoclaved aerated concrete units
--------------------------	--

DIN EN 772-11 2011-07	Methods of test for masonry units - Part 11: Determination of water absorption of aggregate concrete, autoclaved aerated concrete, manufactured stone and natural stone masonry units due to capillary action and the initial rate of water absorption of clay masonry units
--------------------------	--

DIN EN 772-13 2000-09	Methods of test for masonry units - Part 13: Determination of net and gross dry density of masonry units (except for natural stone)
--------------------------	---

DIN EN 772-16 2011-07	Methods of test for masonry units - Part 16: Determination of dimensions
--------------------------	--

DIN EN 772-20 2005-05	Methods of test for masonry units - Part 20: Determination of flatness of faces of masonry units
--------------------------	--

Valid from: 04.04.2023

Date of issue: 04.04.2023

**Page 5 of 12**

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

**Annex to the Partial Accreditation Certificate D-PL-11220-01-01**

**1.5 Masonry**

DIN EN 846-2 2000-08	Methods of tests for ancillary components for masonry - Part 2: Determination of bond strength of prefabricated bed joint reinforcement in mortar joints
DIN EN 846-4 2005-01	Methods of test for ancillary components for masonry - Part 4: Determination of load capacity and load-deflection characteristics of straps
DIN EN 846-5 2012-11	Methods of test for ancillary components for masonry - Part 5: Determination of tensile and compressive load capacity and load displacement characteristics of wall ties (couplet test)
DIN EN 846-6 2012-11	Methods of test for ancillary components for masonry - Part 6: Determination of tensile and compressive load capacity and load displacement characteristics of wall ties (single end test)
DIN EN 846-7 2012-11	Methods of test for ancillary components for masonry - Part 7: Determination of shear load capacity and load displacement characteristics of shear ties and slip ties (couplet test for mortar joint connections)
DIN EN 846-8 2006-10	Methods of test for ancillary components for masonry - Part 8: Determination of load capacity and load-deflection characteristics of joist hangers
DIN EN 846-9 2016-08	Methods of test for ancillary components for masonry - Part 9: Determination of flexural resistance and shear resistance of lintels
DIN EN 846-10 2000-08	Methods of test for ancillary components for masonry - Part 10: Determination of load capacity and load deflection characteristics of brackets
DIN EN 1052-1 1998-12	Methods of test for masonry - Part 1: Determination of compressive strength

**1.6 Mortar**

DIN EN 1015-1 2007-05	Methods of test for mortar for masonry - Part 1: Determination of particle size distribution (by sieve analysis)
DIN EN 1015-2 2007-05	Methods of test for mortar for masonry - Part 2: Bulk sampling of mortars and preparation of test mortars

Valid from: 04.04.2023

Date of issue: 04.04.2023

**Page 6 of 12**

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

**Annex to the Partial Accreditation Certificate D-PL-11220-01-01**

DIN EN 1015-3 2007-05	Methods of test for mortar for masonry - Part 3: Determination of consistence of fresh mortar (by flow table)
DIN EN 1015-4 1998-12	Methods of test for mortar for masonry - Part 4: Determination of consistence of fresh mortar (by plunger penetration)
DIN EN 1015-6 2007-05	Methods of test for mortar for masonry - Part 6: Determination of bulk density of fresh mortar
DIN EN 1015-7 1998-12	Methods of test for mortar for masonry - Part 7: Determination of air content of fresh mortar
DIN EN 1015-9 2007-05	Methods of test for mortar for masonry - Part 9: Determination of workable life and correction time of fresh mortar
DIN EN 1015-10 2007-05	Methods of test for mortar for masonry - Part 10: Determination of dry bulk density of hardened mortar
DIN EN 1015-11 2020-01	Methods of test for mortar for masonry - Part 11: Determination of flexural and compressive strength of hardened mortar

**1.7 Cement**

DIN EN 196-1 2016-11	Methods of testing cement - Part 1: Determination of strength
DIN EN 196-3 2017-03	Methods of testing cement - Part 3: Determination of setting times and soundness

**1.8 Geotextiles**

DIN EN ISO 9863-1 2020-04	Geosynthetics - Determination of thickness at specified pressures - Part : Single layers (Restriction: <i>Only method A</i> )
DIN EN ISO 9864 2005-05	Geosynthetics - Test method for the determination of mass per unit area of geotextiles and geotextile-related products
DIN EN ISO 10319 2015-09	Geosynthetics - Wide-width tensile test

Valid from: 04.04.2023  
Date of issue: 04.04.2023

**Annex to the Partial Accreditation Certificate D-PL-11220-01-01**

DIN EN ISO 12236                      Geosynthetics - Static puncture test (CBR test)  
2006-11

**1.9 Other physical tests of building materials**

DIN EN ISO 178 2019-08	Plastics - Determination of flexural properties
DIN EN ISO 4590 2016-12	Rigid cellular plastics - Determination of the volume percentage of open cells and of closed cells
DIN EN ISO 12570 2018-07	Hygrothermal performance of building materials and products - Determination of moisture content by drying at elevated temperature
DIN EN ISO 12571 2013-12	Hygrothermal performance of building materials and products - Determination of hygroscopic sorption properties
DIN EN ISO 12572 2017-05	Hygrothermal performance of building materials and products - Determination of water vapour transmission properties - Cup method
DIN EN 1931 2001-03	Flexible sheets for waterproofing - Bitumen, plastic and rubber sheets for roof waterproofing - Determination of water vapour transmission properties
DIN EN 12664 2001-05	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
DIN EN 12667 2001-05	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
DIN EN 12939 2001-02	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

Valid from:            04.04.2023  
Date of issue:        04.04.2023

**Page 8 of 12**

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

**Annex to the Partial Accreditation Certificate D-PL-11220-01-01**

**2 Testing of construction products (system 3 for assessment and verification of constancy of performance) under Regulation (EU) No 305/2011 laying down harmonised conditions for the marketing of construction products (Construction Products Regulation)**

Decision of the Commission	System <sup>1)</sup>	Technical specification
<b>1995/467/EC</b> Gypsum products	3	<b>EN 520:2004+A1:2009</b> Gypsum plasterboards - Definitions, requirements and test methods
		<b>EN 12859:2011</b> Gypsum blocks - Definitions, requirements and test methods
		<b>EN 12860:2001+AC:2002</b> Gypsum based adhesives for gypsum blocks - Definitions, requirements and test methods
		<b>EN 13279-1:2008</b> Gypsum binders and gypsum plasters - Part 1: Definitions and requirements
		<b>EN 13658-1:2005</b> Metal lath and beads - Definitions, requirements and test methods - Part 1: Internal plastering
		<b>EN 13658-2:2005</b> Metal lath and beads - Definitions, requirements and test methods - Part 2: External rendering
		<b>EN 13950:2014</b> Gypsum board thermal/acoustic insulation composite panels - Definitions, requirements and test methods
		<b>EN 13963:2005+AC:2006</b> Jointing materials for gypsum boards - Definitions, requirements and test methods
		<b>EN 14190:2014</b> Gypsum board products from reprocessing - Definitions, requirements and test methods
		<b>EN 14195:2005+AC:2006</b> Metal framing components for gypsum board systems - Definitions, requirements and test methods
<b>1997/740/EC</b> Masonry and related products	3	<b>EN 845-1:2013 + A1:2016</b> Specification for ancillary components for masonry - Part 1: Wall ties, tension straps, hangers and brackets
		<b>EN 845-2:2013 + A1:2016</b> Specification for ancillary components for masonry - Part 2: Lintels
		<b>EN 845-3:2013 + A1:2016</b> Specification for ancillary components for masonry - Part 3: Bed joint reinforcement of steel meshwork

Valid from: 04.04.2023

Date of issue: 04.04.2023

Page 9 of 12

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

**Annex to the Partial Accreditation Certificate D-PL-11220-01-01**

<b>Decision of the Commission</b>	<b>System<sup>1)</sup></b>	<b>Technical specification</b>
<b>1997/808/EC</b> Floor coverings	3	<b>EN 13813:2002</b> Screed material and floor screeds - Screed material - Properties and requirements
<b>1998/436/EC</b> Roof coverings, rooflights, roof windows and ancillary products	3	<b>EN 490:2011</b> Concrete roofing tiles and fittings for roof covering and wall cladding - Product specifications
		<b>EN 492: 2012+A2:2018</b> Fibre-cement slates and fittings - Product specification and test methods
		<b>EN 494:2012+A1:2015</b> Fibre-cement profiled sheets and fittings - Product specification and test methods
		<b>EN 1304:2005</b> Clay roofing tiles and fittings - Product definitions and specifications
		<b>EN 14509:2013</b> Self-supporting double skin metal faced insulating panels - Factory made products - Specifications
<b>1998/437/EC</b> Internal and external wall and ceiling finishes	3	<b>EN 438-7:2005</b> High-pressure decorative laminates (HPL) - Sheets based on thermosetting resins (usually called laminates) - Part 7: Compact laminate and HPL composite panels for internal and external wall and ceiling finishes
		<b>EN 12467:2012+A2:2018</b> Fibre-cement flat sheets - Product specification and test methods
		<b>EN 13964:2014</b> Suspended ceilings - Requirements and test methods
		<b>EN 14716:2004</b> Stretched ceilings
		<b>EN 15102:2007+A1:2011</b> Decorative wall coverings - Roll and panel form
<b>1999/91/EC</b> Thermal insulating products	3	<b>EN 14933:2007</b> Thermal insulation and light weight fill products for civil engineering applications - Factory made products of expanded polystyrene (EPS) - Specification
		<b>EN 13162:2012+A1:2015</b> Thermal insulation products for buildings - Factory made mineral wool (MW) products - Specification
		<b>EN 13163:2012+A1:2015</b> Thermal insulation products for buildings - Factory made expanded polystyrene (EPS) products - Specification

Valid from: 04.04.2023

Date of issue: 04.04.2023

**Page 10 of 12**

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



**Annex to the Partial Accreditation Certificate D-PL-11220-01-01**

Decision of the Commission	System <sup>1)</sup>	Technical specification
<b>1999/91/EC</b> Thermal insulating products	3	<b>EN 13164:2012+A1:2015</b> Thermal insulation products for buildings - Factory made extruded polystyrene foam (XPS) products - Specification
		<b>EN 13165:2012+A2:2016</b> Thermal insulation products for buildings - Factory made rigid polyurethane foam (PU) products - Specification
		<b>EN 13986:2004+A1:2015</b> Wood-based panels for use in construction
<b>1999/469/EC</b> Products related to concrete, mortar and grout	3	<b>EN 13454-1:2004</b> Binders, composite binders and factory made mixtures for floor screeds based on calcium sulfate - Part 1: Definitions and requirements
		<b>EN 14889-1:2006</b> Fibres for concrete - Part 1: Steel fibres - Definitions, specifications and conformity (Restriction: not EN 14845-2)
		<b>EN 14889-2:2006</b> Fibres for concrete - Part 2: Polymer fibres - Definitions, specifications and conformity (Restriction: not EN 14845-2 and ISO 2062)
<b>1999/470/EC</b> Construction adhesives	3	<b>EN 12004:2007+A1:2012</b> Adhesives for tiles - Requirements, evaluation of conformity, classification and designation

<sup>1)</sup> System for 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.*

*Without prior approval by the DAkKS German Accreditation Body, the testing laboratory body is permitted to use new revisions of the harmonised technical specifications.*

Valid from: 04.04.2023

Date of issue: 04.04.2023

**Page 11 of 12**

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

**Annex to the Partial Accreditation Certificate D-PL-11220-01-01**

**3 Testing of the fire behaviour of construction products for which no indication of a relevant harmonised technical specification is required (item 3, Annex V, (EU) No. 305/2011)**

**3.1 Reaction to fire**

EN ISO 1182 2020	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 2020	Reaction to fire tests - Ignitability of products subjected to direct impingement of flame - Part 2: Single-flame source test
EN 13823 2020	Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item

***in conjunction 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>
----------------------------	---

**Abbreviations used:**

DIN	Deutsches Institut für Normung e.V. – German institute for standardization
EAD	European Assessment Document
EN	Europäische Norm – European Standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardisation
XXXX/xxx/EC	Decision of the Commission of the European Communities

Valid from: 04.04.2023

Date of issue: 04.04.2023

**Page 12 of 12**

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

# Accreditation



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

**Materialprüfanstalt für das Bauwesen und Produktionstechnik  
Nienburger Straße 3, 30167 Hannover**

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 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 partial accreditation certificate only applies in connection with the notice of 04.04.2023 with accreditation number D-PL-11220-01.

It consists of this cover sheet, the reverse side of the cover sheet and the following annex with a total of 2 pages.

Registration number of the partial accreditation certificate: **D-PL-11220-01-02**

It is a part of the accreditation certificate: D-PL-11220-01-00.

Berlin, 04.04.2023

Dipl.-Ing. Gabriel Zrenner  
Head of Department

Translation issued:  
16.10.2023

*by proxy*   
Dipl.-Ing. Gabriel Zrenner  
Head of Department

*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](http://www.dakks.de)).*

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

See notes overleaf

# 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](http://www.european-accreditation.org)

ILAC: [www.ilac.org](http://www.ilac.org)

IAF: [www.iaf.nu](http://www.iaf.nu)

# Deutsche Akkreditierungsstelle

## Annex to the Partial Accreditation Certificate D-PL-11220-01-02 according to DIN EN ISO/IEC 17025:2018

**Valid from:** 04.04.2023

**Date of issue:** 04.04.2023

This annex is a part of the accreditation certificate D-PL-11220-01-00.

Holder of partial accreditation certificate:

**Materialprüfanstalt für das Bauwesen und Produktionstechnik  
Nienburger Straße 3, 30167 Hannover**

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 confirm generally with the principles of DIN EN ISO 9001.

with the location:

**An der Universität 2, 30823 Garbsen**

Tests in the fields:

### **Non-destructive testing (NDT)**

**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 testing laboratory maintains a current list of all testing methods within the flexible scope of accreditation.**

*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>.*

**Annex to the Partial Accreditation Certificate D-PL-11220-01-02**

DIN EN ISO 3452-5 2009-04	Non-destructive testing - Penetrant testing - Part 5: Penetrant testing at temperatures higher than 50 °C
DIN EN ISO 3452-6 2009-04	Non-destructive testing - Penetrant testing - Part 6: Penetrant testing at temperatures lower than 10 °C

**Abbreviations used:**

DIN	Deutsches Institut für Normung e.V. – German institute for standardization
EN	Europäische Norm – European Standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardisation

Valid from: 04.04.2023

Date of issue: 04.04.2023

**Page 2 of 2**

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



# Accreditation



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

**Materialprüfanstalt für das Bauwesen und Produktionstechnik  
Nienburger Straße 3, 30167 Hannover**

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 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 partial accreditation certificate only applies in connection with the notice of 04.04.2023 with accreditation number D-PL-11220-01.

It consists of this cover sheet, the reverse side of the cover sheet and the following annex with a total of 4 pages.

Registration number of the partial accreditation certificate: **D-PL-11220-01-03**

It is a part of the accreditation certificate: D-PL-11220-01-00.

Berlin, 04.04.2023

Dipl.-Ing. Gabriel Zrenner  
Head of Department

Translation issued:  
16.10.2023

*by proxy T. H. A. n*  
Dipl.-Ing. Gabriel Zrenner  
Head of Department

*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](http://www.dakks.de)).*

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

See notes overleaf



# 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](http://www.european-accreditation.org)

ILAC: [www.ilac.org](http://www.ilac.org)

IAF: [www.iaf.nu](http://www.iaf.nu)

# Deutsche Akkreditierungsstelle

## Annex to the Partial Accreditation Certificate D-PL-11220-01-03 according to DIN EN ISO/IEC 17025:2018

**Valid from:** 04.04.2023

**Date of issue:** 04.04.2023

This annex is a part of the accreditation certificate D-PL-11220-01-00.

Holder of partial accreditation certificate:

**Materialprüfanstalt für das Bauwesen und Produktionstechnik  
Nienburger Straße 3, 30167 Hannover**

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 confirm generally with the principles of DIN EN ISO 9001.

with the location:

**An der Universität 2, 30823 Garbsen**

Tests in the fields:

**Mechanical-technological and physical testing of plastics, metals, grinding wheels, saw blades and comparable products;**

**Analytical testing of gas and water products;**

*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>.*

**Annex to the Partial Accreditation Certificate D-PL-11220-01-03**

**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 testing laboratory maintains a current list of all testing methods within the flexible scope of accreditation.**

The test methods are marked with the following abbreviations for the locations at which they are carried out:

Locations:                                      Hanover = (H)                                      Garbsen = (G)

**1. Mechanical-technological and physical testing of plastics and metals**

**1.1 Physical tests on plastics (G)**

DIN EN ISO 1183-1 2019-09	Plastics – Methods for determining the density of non-cellular plastics – Part 1: Immersion method, liquid pycnometer method and titration method (Restriction: Only method A – Immersion method)
------------------------------	--

**1.2 Mechanisch-technologische Prüfungen an Metallen (H)**

DIN EN ISO 6892-1 2020-06	Metallische Werkstoffe - Zugversuch - Teil 1: Prüfverfahren bei Raumtemperatur (Einschränkung: nur Verfahren B)
------------------------------	--

**1.3 Mechanical-technological tests on metals (G)**

DIN EN 847-1 2018-01	Tools for woodworking - Safety requirements - Part 1: Milling tools, circular saw blades
DIN EN 1083-2 1997-07	Power driven brushes - Part 2: Safety requirements
DIN EN 12413 2019-12	Safety requirements for bonded abrasive products
DIN EN 13236 2019-07	Safety requirements for superabrasive products
DIN EN 13743 2017-04	Safety requirements for coated abrasive products

Valid from:                      04.04.2023

Date of issue:                      04.04.2023

## **2. Analytical testing of gas and water products (G)**

DIN EN 723 2009-07	Copper and copper alloys - Combustion method for determination of the carbon content on the inner surface of copper tubes or fittings
DIN EN 1057 2010-06	Copper and copper alloys - Seamless, round copper tubes for water and gas in sanitary and heating applications, <u>here:</u> section 10.2 and section 10.4
DIN EN 1254-1 1998-03	Copper and copper alloys - Plumbing fittings - Part 1: Capillary fittings for soldering or brazing to copper tubes, <u>here:</u> section 5.4.2
DVGW GW 8 2009-07	Copper fittings with ends for capillary soldering in gas and drinking water installations – Requirements and tests, <u>here:</u> section 5.4.2.1 in conjunction with Annex B B
DVGW GW 392 2015-04	Seamless drawn copper tubes for gas and drinking water installations and seamless copper tubes with internal tin plating for drinking water installations – Requirements and tests, <u>here:</u> section 4.1.3 and section 4.1.5 in conjunction with Annex A
RAL-GZ 641/1 2019-09	System copper tube – Special quality and test specifications for copper tubes, <u>here:</u> section 1-2.2 and section 1-7.2 in conjunction with Annex 1
RAL-GZ 641/3 2019-09	System copper tube – Special quality and test specifications for fittings with ends for capillary soldering made of copper tube, <u>here:</u> section 3-4.9.2
DVGW GW 335B2 2004-09	Plastic piping systems in gas and water supply – Requirements and tests – Part B 2: Fittings made of PE 80 and PE 100, <u>here:</u> section 5.2.1

**Annex to the Partial Accreditation Certificate D-PL-11220-01-03**

**3. Analytical material testing (G)**

ISO 760 1978-12	Determination of Water - Karl Fischer Method (General method) 7. Direct Electrometric Titration
DIN EN ISO 3452-2 2014-03	Non-destructive testing - Penetrant testing - Part 2: Testing of penetrant materials
DIN EN ISO 3452-3 2014-03	Non-destructive testing - Penetrant testing - Part 3: Reference test blocks (here: 5.2 Measurement)
ASME CODE T-641 2019	ASME Boiler und Pressure Vessel Code - Non-destructive Examination, Subsection a, Article 6 "Mandatory Appendices" Appendix II: Control of contaminations for liquid penetrant examination / II-641 Nickel Base Alloys
ASTM E 1135 2019	Standard Test Method for Comparing the Brightness of Fluorescent Penetrants 10. Procedure for the Model S 291
ASTM E 1417/E 1417M 2016-06	Standard Practice for Liquid Penetrant Testing 7.8.2.2 Penetrant Brightness 7.8.2.4 Water Content

**Abbreviations used:**

ASME	American Society of Mechanical Engineers
ASTM	American Society for Testing and Materials
DIN	Deutsches Institut für Normung e.V. - German institute for standardization
DVGW	Deutscher Verein des Gas- und Wasserfaches e. V. - German Association of the Gas and Water Industry
EN	Europäische Norm - European Standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardisation
RAL	Deutsches Institut für Gütesicherung und Kennzeichnung e. V. - German Institute for Quality Assurance and Labelling

Valid from: 04.04.2023

Date of issue: 04.04.2023

**Page 4 of 4**

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