

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>.

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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)

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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

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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

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DIN EN 29053
1993-05 Acoustics; materials for acoustical applications; determination of
airflow resistance
(*withdrawn*)

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

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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

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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

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

1.9 Other physical tests of building materials

DIN EN ISO 178 Plastics - Determination of flexural properties
2019-08

DIN EN ISO 4590 Rigid cellular plastics - Determination of the volume percentage of
2016-12 open cells and of closed cells

DIN EN ISO 12570 Hygrothermal performance of building materials and products -
2018-07 Determination of moisture content by drying at elevated
temperature

DIN EN ISO 12571 Hygrothermal performance of building materials and products -
2013-12 Determination of hygroscopic sorption properties

DIN EN ISO 12572 Hygrothermal performance of building materials and products -
2017-05 Determination of water vapour transmission properties - Cup
method

DIN EN 1931 Flexible sheets for waterproofing - Bitumen, plastic and rubber
2001-03 sheets for roof waterproofing - Determination of water vapour
transmission properties

DIN EN 12664 Thermal performance of building materials and products -
2001-05 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 Thermal performance of building materials and products -
2001-05 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 Thermal performance of building materials and products -
2001-02 Determination of thermal resistance by means of guarded hot
plate and heat flow meter methods - Thick products of high and
medium thermal resistance

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

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

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

¹⁾ 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.

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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>
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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

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