

Accreditation



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

ISP GmbH

Amelunxenstraße 65, 48167 Münster

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-20181-01-01

D-PL-20181-01-02

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.

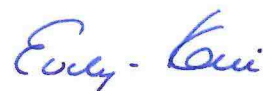
This accreditation certificate consists of this cover sheet, the reverse side of the cover sheet and the following annex. It only applies in connection with the partial accreditation certificates listed above and the notices referred to there.

Registration number of the certificate: **D-PL-20181-01-00**

Berlin, 17.12.2024

Dipl.-Ing. Evelyn Körner
Head of Technical Unit

Translation issued:
17.12.2024



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

Deutsche Akkreditierungsstelle GmbH

Office Berlin
Spittelmarkt 10
10117 Berlin

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

Office Braunschweig
Bundesallee 100
38116 Braunschweig

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

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

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

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

EA: www.european-accreditation.org
ILAC: www.ilac.org
IAF: www.iaf.nu

Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-PL-20181-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 17.12.2024

Date of issue: 17.12.2024

Holder of accreditation certificate:

ISP GmbH

Amelunxenstraße 65, 48167 Münster

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-20181-01-01

D-PL-20181-01-02

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Accreditation



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

ISP GmbH

Amelunxenstraße 65, 48167 Münster

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This partial accreditation certificate only applies in connection with the notice of 17.12.2024 with accreditation number D-PL-20181-01.

It consists of this cover sheet, the reverse side of the cover sheet and the following annex with a total of 8 pages.

Registration number of the partial accreditation certificate: **D-PL-20181-01-01**

It is a part of the accreditation certificate: D-PL-20181-01-00.

Berlin, 17.12.2024

Dipl.-Ing. Evelyn Körner
Head of Technical Unit

Translation issued:
17.12.2024



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This partial accreditation certificate only applies in connection with the notice of 17.12.2024 with accreditation number D-PL-20181-01.

It consists of this cover sheet, the reverse side of the cover sheet and the following annex with a total of 3 pages.

Registration number of the partial accreditation certificate: **D-PL-20181-01-02**

It is a part of the accreditation certificate: D-PL-20181-01-00.

Berlin, 17.12.2024

Dr.-Ing. Tobias Poeste
Head of Technical Unit

Translation issued:
17.12.2024

Dr.-Ing. Tobias Poeste
Head of Technical Unit

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Deutsche Akkreditierungsstelle

Annex to the Partial Accreditation Certificate D-PL-20181-01-01 according to DIN EN ISO/IEC 17025:2018

Valid from: 17.12.2024

Date of issue: 17.12.2024

This annex is a part of the accreditation certificate D-PL-20181-01-00.

Holder of partial accreditation certificate:

ISP GmbH
Amelunxenstraße 65, 48167 Münster

with the location

ISP GmbH
Amelunxenstraße 65, 48167 Münster

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.

Strength tests, mechanical, analytical, physical and climatic/chemical investigations and tests on and of sports halls, sports hall floors, synthetic surfaces, synthetic turf surfaces and playground surfaces;

Tests on playground equipment and aggregates

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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Flexible accreditation area:

The testing laboratory is permitted without being required to inform and obtain prior approval from DAkkS to use standardised or equivalent test methods listed here with different issue dates (Flexibilization according to category A).

The test methods listed are examples. The testing laboratory has an up-to-date list of all test methods within the flexible scope of accreditation. The list is publicly available on the website of the testing laboratory.

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Annex to the Partial Accreditation Certificate D-PL-20181-01-01

1 Strength tests as well as mechanical, analytical and climatic/chemical investigations on surfaces for sports areas

DIN EN 1516 2000-09	Surfaces for sports areas - Determination of resistance to indentation
DIN EN 1517 2020-07	Surfaces for sports areas - Determination of resistance to impact
DIN EN 1569 2020-07	Surfaces for sports areas - Determination of the behaviour under a rolling load
DIN EN 1969 2000-08	Surfaces for sports areas - Determination of thickness of synthetic sports surfaces
DIN EN 12228 2013-12	Surfaces for sports areas - Determination of joint strength of synthetic surfaces
DIN EN 12230 2023-07	Surfaces for sports areas - Test method for the determination of tensile properties of synthetic sports surfaces
DIN EN 12234 2013-12	Surfaces for sports areas - Determination of ball roll behaviour
DIN EN 12235 2013-12	Surfaces for sports areas - Determination of vertical ball behaviour
DIN EN 12616 2023-06	Surfaces for sports areas - Test methods for the determination of vertical water infiltration and horizontal water flow rates
DIN EN 13672 2004-10	Surfaces for sports areas – Determination of resistance to abrasion of non-filled synthetic turf
DIN EN 13744 2005-01	Surfaces for sports areas - Procedure for accelerated ageing by immersion in hot water
DIN EN 13817 2005-01	Surfaces for sports areas - Procedure for accelerated ageing by exposure to hot air
DIN EN 13865 2017-05 Corrigendum 1 2018-07	Surfaces for sports areas - Determination of angled ball behaviour - Tennis

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DIN EN 14808 2006-03	Surfaces for sports areas - Determination of shock absorption
DIN EN 14810 2006-06	Surfaces for sports areas – Determination of spike resistance
DIN EN 14955 2006-01	Surfaces for sports areas - Determination of composition and particle shape of unbound mineral surfaces for outdoor sports areas; here: <i>only determination of grain shape according to chapter 6</i>
DIN EN 15301-1 2007-06	Surfaces for sports areas - Part 1: Determination of rotational resistance
DIN EN 15306 2014-07	Surfaces for outdoor sports areas - Exposure of synthetic turf to simulated wear
DIN EN 16837 2018-06	Surfaces for sports areas – Determination of linear shoe/surface friction
DIN EN 17467 2022-05	Surfaces for sports areas – Test method for the determination of the residual deformation of synthetic or organic infill granules after static load
DIN 18035-7 2019-12	Sports grounds - Part 7: Synthetic turf areas here: 7.2 <i>Bending resistance</i> 7.3 <i>Rotational resistance</i> 7.5 <i>Compressive strain test</i> 7.7 <i>Weathering by hot water and heat</i> 7.9 <i>Determination of lateral tensile strength</i>
DIN CEN/TS 16717 2015-05 DIN SPEC 18110 2015-05	Surface for sports areas – Method of test for the determination of shock absorption, vertical deformation and energy restitution using the advanced artificial athlete
ASTM F 2117 2010	Test Method for Vertical Rebound Characteristics of Sports Surface/Ball Systems; Acoustical Measurement

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ASTM F 2157 2009	Standard Specification for Synthetic Surfaced Running Tracks here: 6.2 <i>Evenness</i> 6.3 <i>Thickness</i> 6.4 <i>Force Reduction</i> 6.5 <i>Vertical Deformation</i> 6.6 <i>Texture Influence</i> 6.7 <i>Tensile Properties</i> 6.8 <i>Color</i> 6.9 <i>Drainage</i>
ASTM F 2569 2011	Test Method For Evaluating The Force Reduction Properties Of Surfaces For Athletic Use
ASTM F 2772 2011	Specification For Athletic Performance Properties Of Indoor Sports Floor Systems
ASTM F 3189 2020	Standard Test Method for Measuring Force Reduction, Vertical Deformation, and Energy Restitution of Synthetic Turf Systems Using the Advanced Artificial Athlete
FIFA Quality Programme for Football Turf - Handbook of Test Methods 2015-10	Method 01 - Determination of ball rebound Method 03 - Determination of ball roll Method 04a - Determination of shock absorption Method 05a - Determination of vertical deformation Method 06a - Determination of lightweight rotational resistance Method 13 - Determination of energy restitution Method 06 - Determination of rotational resistance Method 12 - Procedure for the assessment of surface planarity Method 18 - Procedure for measuring free pile height Method 20 - Procedure to determine the particle size distribution of granulated infill materials Method 21 - Procedure for the measurement of infill depth
World Athletics 2020-02	IAAF Track and Runway Synthetic Surface Testing Specifications here: 2.3 <i>Evenness</i> 2.4 <i>Thickness</i> 2.5 <i>Shock Absorption</i> 2.6 <i>Vertical Deformation</i> 2.7 <i>Friction</i> 2.8 <i>Tensile Properties</i>

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Annex to the Partial Accreditation Certificate D-PL-20181-01-01

ÖISS-Guideline	Requirements for sports hall floors
Sports hall floors	here:
2005-08	7.2.7 <i>Load capacity, behaviour under static load</i>
	7.3.2 <i>Compressive strain test (DVM)</i>

2 Strength and mechanical testing in sports halls

DIN V 18032-2 2001-04	Sport halls - Halls for gymnastics, games and multi-purpose use - Part 2: Floors for sporting activities; Requirements, testing here: 6.2 <i>Determination of shock absorption</i> 6.3 <i>Determination of vertical deformation</i> 6.4 <i>Determination of areal deflection</i> 6.5 <i>Determination of the behavior under a rolling load</i> 6.6 <i>Determination of resistance to impact</i> 6.7 <i>Determination of resistance to indentation</i> 6.8 <i>Determination of vertical ball behaviour</i>
DIN 18032-3 2023-12	Sports halls - Halls and rooms for sports and multi-purpose use - Part 3: Testing of safety against ball throwing
DIN 18032-7 2020-09	Sport halls – Halls and rooms for sports and multi-purpose use – Part 7: Impact protection surface systems for walls; Requirements, testing
DIN EN 13964 2014-08	Suspended ceilings - Requirements and test methods here: Appendix D: shock resistance
ÖISS-Guideline Protective wall 2011-06	Protective wall - Requirements for shock absorbing wall-coverings in sport halls here: 4.3 <i>Resilience (deformation) of the system at the load point during the testing with the "Wall Artificial Athlete"</i> 4.7 <i>Resistance to impact</i>

3 Determination of the shock absorption of playground floors by impact testing

DIN EN 1177 2018-03	Impact attenuating playground surfacing - Determination of critical fall height
DIN EN 17435 2022-08	Surfaces for sports areas – Test method for the determination of Head Injury Criterion (HIC) and Critical Fall Height (CFH)

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Annex to the Partial Accreditation Certificate D-PL-20181-01-01

ASTM F 1292 2022	Specification for Impact Attenuation of Surfacing Materials Within the Use Zone of Playground Equipment
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4 Tests on textile floor coverings

ISO 1763 2020-07	Textile floor coverings – Determination of number of tufts and/or loops per unit length and per unit area
ISO 4919 2012-08	Carpets - Determination of tuft withdrawal force
ISO 8543 2020-06	Textile floor coverings - Methods for determination of mass
ISO 2549 1972-08 Corrigendum 1 1990-12	Hand-knotted carpets – Determination of tuft leg length above the woven ground

5 Tests on aggregates

DIN EN 933-1 2012-03	Tests for geometrical properties of aggregates – Part 1: Determination of particle size distribution – Sieving method
DIN EN 1097-3 1998-06	Test for mechanical and physical properties of aggregates – Part 3: Determination of loose bulk density and voids

6 Determination of surface properties of roads and airfields

DIN EN 13036-4 2011-12	Road and airfield surface characteristics - Test methods - Part 4: Method for measurement of slip/skid resistance of a surface - The pendulum test
DIN EN 13036-7 2003-12	Road and airfield surface characteristics - Test methods - Part 7: Irregularity measurement of pavement courses: The straightedge test

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Annex to the Partial Accreditation Certificate D-PL-20181-01-01

ASTM E 303 2022	Standard Test Method for Measuring Surface Frictional Properties Using the British Pendulum Tester
BS 7976-2+A1 2002-08	Pendulum testers - Part 2: Method of operation
ITF-Guide 2024	ITF Guide to products & test methods – Part B here: <i>4 - Court Pace (ITF CS 01/02)</i> <i>5 - Ball Rebound (Predictive Method)</i> <i>6 - Evenness (ITF CS 02/02)</i>

Abbreviations used:

ASTM	American Society for Testing and Materials
BS	British Standard
CEN/TS	technical specification of the European committee for standardization
DIN	Deutsches Institut für Normung e.V.
EN	European Standard
IAAF	World Athletics (International Association of Athletics Federations)
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
ITF	International Tennis Federation
ÖISS	Österreichisches Institut für Schul- und Sportstättenbau
SPEC	Standard Performance Evaluation Corporation
V	Vornorm

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Deutsche Akkreditierungsstelle

Annex to the Partial Accreditation Certificate D-PL-20181-01-02 according to DIN EN ISO/IEC 17025:2018

Valid from: 17.12.2024

Date of issue: 17.12.2024

This annex is a part of the accreditation certificate D-PL-20181-01-00.

Holder of partial accreditation certificate:

ISP GmbH
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with the location

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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 fields:

Strength, mechanical, analytical, physical and climatic/chemical tests and tests of plastics and playing field equipment

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Annex to the Partial Accreditation Certificate D-PL-20181-01-02

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.

1 Determination of optical material properties

DIN EN ISO 2813 2015-02	Paints and varnishes - Determination of gloss value at 20°, 60° and 85°
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DIN EN 20105-A02 1994-10	Textiles - Tests for colour fastness - Part A02: Grey scale for assessing change in colour
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2 Density determination of plastics

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
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DIN EN ISO 60 2023-12	Plastics - Determination of apparent density of material that can be poured from a specified funnel
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3 Strength tests

DIN 53504 2017-03	Testing of rubber - Determination of tensile strength at break, tensile stress at yield, elongation at break and stress values in a tensile test
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DIN EN ISO 1798 2008-04	Flexible cellular polymeric materials - Determination of tensile strength and elongation at break
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The flexible accreditation does not apply to the following test procedure:

ISP-H/V-001 2022-08	Determination of the bending properties of test rods using a three-point bending test
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4 Determination of abrasion resistance

DIN EN ISO 5470-1 2017-04	Rubber- or plastics-coated fabrics - Determination of abrasion resistance - Part 1: Taber abrader
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Annex to the Partial Accreditation Certificate D-PL-20181-01-02

5 Determination of the moisture content in pressed cork

ISO 2190 Granulated cork - Determination of moisture content
2016-10

6 Strength/stability tests on playing field equipment

DIN EN 748 Playing field equipment - Football goals - Functional and safety
2018-04 requirements, test methods

DIN EN 749 Playing field equipment - Handball goals - Functional and safety
2006-01 requirements, test methods

DIN EN 750 Playing field equipment - Hockey goals - Functional and safety
2006-01 requirements, test methods

DIN EN 1271 Playing field equipment - Volleyball equipment - Functional and
2015-01 safety requirements, test methods

DIN EN 1509 Playing field equipment - Badminton equipment - Functional and
2009-02 safety requirements, test methods

Abbreviations used:

DIN	German Institute for Standardization
EN	European Standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
ISP - H/V	Institut für Sportstättenprüfung, in-house procedure of the testing laboratory