

# Deutsche Akkreditierungsstelle GmbH

## Annex to the Accreditation Certificate D-PL-14169-03-02 according to DIN EN ISO/IEC 17025:2018

**Valid from:** 02.06.2022

Date of issue: 02.06.2022

Holder of certificate:

**TÜV Rheinland LGA Products GmbH**

at the locations

**Alboinstraße 56, 12103 Berlin**  
**Am Grauen Stein, 51105 Köln**  
**Tillystraße 2, 90431 Nürnberg**  
**Dreikronenstraße 31, 97082 Würzburg**

Tests in the fields:

**Examination of technical documentation and determination of the airborne noise of equipment and machinery listed in this appendix, measurement of airborne noise for determination of the sound power level of equipment, machine acoustics, machinery, building acoustics**  
**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 sound absorption of construction products for which no indication of a relevant harmonised technical specification is required (item 3, Annex V, (EU) No 305/2011)**

*The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories. Laboratories that conform to the requirements of this standard, operate generally in accordance with the principles of DIN EN ISO 9001.*

*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 at <https://www.dakks.de/en/content/accredited-bodies-dakks>.*

Abbreviations used: see last page

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

**Within the scope of accreditation marked with \*, the testing laboratory is permitted to use the standardised test methods listed here with different revision levels of the standard without prior disclosure to or agreement by DAkkS.**

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

B = Laboratory location Berlin

N = Laboratory location Nuremberg

K = Laboratory location Cologne

W = Laboratory location Würzburg

**1 Examination of technical documentation and measurement of airborne noise in accordance with Directive 2000/14/EC1, in the context of Annex III (method of measurement of airborne noise emitted by equipment for use outdoors), in the context of Annex VI (internal control of production with assessment of technical documentation and periodical checking) and in the context of Annex VII (unit verification)**

**1.1 The following equipment types in accordance with Article 12 2000/14/EC (tests at the Nuremberg laboratory location):**

**Builders' hoists for the transport of goods, compaction machines (only vibrating and non-vibrating rollers, vibratory plates and vibratory rammers), compressors (< 350 kW), concrete-breakers and picks, hand-held, construction winches (combustion-engine driven), dozers (< 500 kW), dumpers (< 500 kW), excavators, hydraulic or rope-operated (< 500 kW), excavator-loaders (< 500 kW), graders (< 500 kW), hydraulic power packs, landfill compactors, loader-type with bucket (< 500 kW), lawnmowers (excluding agricultural and forestry equipment, and multi-purpose devices, the main motorised component of which has an installed power of more than 20 kW), lawn trimmers/lawn edge trimmers, lift trucks, combustion-engine driven, counterbalanced (excluding "other counterbalanced lift trucks" as defined in Annex I, item 36, second indent Directive 2000/14/EC with a rated capacity of not more than 10 tonnes), loaders (< 500 kW), mobile cranes, motor hoes (< 3 kW), paver-finishers (excluding paver-finishers equipped with a high-compaction screed), power generators (< 400 kW), tower cranes, welding generators**

**1.2 The following equipment types in accordance with Article 12 2000/14/EC (tests at the Cologne laboratory location):**

**lawnmowers (excluding agricultural and forestry equipment, and multi-purpose devices, the main motorised component of which has an installed power of more than 20 kW), lawn trimmers/lawn edge trimmers, motor hoes (< 3 kW)**

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For the following test methods:

Subject area	Standard/in-house method/version	Title of standard or in-house method	Location
Noise emissions	EN ISO 3744:2010	Acoustics – Determination of sound power levels and sound energy levels of noise sources using sound pressure – Engineering methods for an essentially free field over a reflecting plane	K, N
	DIN EN ISO 3744:2011	Acoustics – Determination of sound power levels and sound energy levels of noise sources using sound pressure – Engineering methods for an essentially free field over a reflecting plane	K, N
	EN ISO 3746:2010	Acoustics – Determination of sound power levels and sound energy levels of noise sources using sound pressure – Survey method using an enveloping measurement surface over a reflecting plane	K, N
	DIN EN ISO 3746:2011	Acoustics – Determination of sound power levels and sound energy levels of noise sources using sound pressure – Survey method using an enveloping measurement surface over a reflecting plane	K, N

**2 Measurement of airborne noise for determination of the sound power level in accordance with Annex III of Directive 2000/14/EC for equipment in accordance with Article 13 of Directive 2000/14/EC**

Subject area	Standard/in-house method/version	Title of standard or in-house method	Location
Noise emissions	EN 500-4 Re. 1:1998	Mobile road construction machinery – Safety – Part 4: Specific requirements for compaction machines	N

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**3 Machine acoustics\***

Subject area	Standard/in-house method/version	Title of standard or in-house method	Location
Noise emissions	EN ISO 3744:2010	Acoustics – Determination of sound power levels and sound energy levels of noise sources using sound pressure – Engineering methods for an essentially free field over a reflecting plane	K
	DIN EN ISO 3744:2011	Acoustics – Determination of sound power levels and sound energy levels of noise sources using sound pressure – Engineering methods for an essentially free field over a reflecting plane	K
	EN ISO 3746:2010	Acoustics – Determination of sound power levels and sound energy levels of noise sources using sound pressure – Survey method using an enveloping measurement surface over a reflecting plane	K
	DIN EN ISO 3746:2011	Acoustics – Determination of sound power levels and sound energy levels of noise sources using sound pressure – Survey method using an enveloping measurement surface over a reflecting plane	K
	ISO 4871:1996 EN ISO 4871:2009	Acoustics – Declaration and verification of noise emission values of machinery and equipment	K, N
	DIN EN ISO 4871:2009	Acoustics – Declaration and verification of noise emission values of machinery and equipment	K, N
	ISO 7960:1995	Airborne noise emitted by machine tools – Operating conditions for woodworking machines	K, N
	ISO 8528-10:1998	Reciprocating internal combustion engine driven alternating current generating sets – Part 10: Measurement of airborne noise by the enveloping surface method	K, N

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Subject area	Standard/in-house method/version	Title of standard or in-house method	Location
	ISO 9207:1995	Manually portable chain-saws with internal combustion engine – Determination of sound power levels – Engineering method (Grade 2)	K, N
Noise emissions	ISO 10884:1995	Manually portable brush-cutters and grass-trimmers with internal combustion engine – Determination of sound power levels – Engineering method (Grade 2)	K, N
	ISO 11094:1991	Acoustics – Test code for the measurement of airborne noise emitted by power lawn mowers, lawn tractors, lawn and garden tractors, professional mowers, and lawn and garden tractors with moving attachments	K, N
	EN 16228-1:2014	Drilling and foundation equipment – Safety – Part 1: Common requirements	N

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**4 Testing of machines \***

Subject area	Standard/in-house method/version	Title of standard or in-house method	Location
Product and site safety of machines	EN 61010-1:2010	Safety requirements for electrical equipment for measurement, control and laboratory use	B, K
	EN 61010-2-040 2005-09 DIN EN 61010-2-040 2006-02	Safety requirements for electrical equipment for measurement, control and laboratory use Particular requirements for sterilizers and washer-disinfectors used to treat medical materials	B
	E DIN EN 61010-2-120 2013-09	Safety requirements for electrical equipment for measurement, control and laboratory use Particular safety requirements for machinery	K, N
	EN ISO 11148-1/-2/-3/ -4/-5/-6/-7/-8/-9/-10/-11/-12 2012-12 DIN EN ISO 11148-1/ -2/-3/-4/-5/-6/-7/-8/-9/-10/-11/- 12 2013-05	Hand-held non-electric power tools – Safety requirements	K, N
	DIN EN ISO 10218-2 2012-06	Robots and robotic devices – Safety requirements for industrial robots – Part 2: Robot systems and integration (ISO 10218-2:2011)	K
	DIN EN ISO 12100 2011-03 + B1 2013-08 EN ISO 12100 2010-11 ISO 12100 2010-11	Safety of machinery – General principles for design – Risk assessment and risk reduction (ISO 12100:2010)	N
	DIN EN ISO 13849-1 2008-12 EN ISO 13849-1 2015-12 ISO 13849-1 2015-12	Safety of machinery – Safety-related parts of control systems – Part 1: General principles for design (ISO 13849-1:2006)	K, N
	DIN EN ISO 13849-2 2013-02 EN ISO 13849-2 2012-10 ISO 13849-2 2012-10	Safety of machinery – Safety-related parts of control systems – Part 2: Validation	K, B, N

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Product and site safety of machines	EN ISO 13482 2014-02	Robots and robotic devices – Safety requirements for personal care robots (ISO 13482:2014)	K, B
	EN 1012-3 2013-11	Compressors and vacuum pumps – Safety requirements – Part 3: Process compressors	K, N
	EN 12601 2010-12	Reciprocating internal combustion engine driven generating sets – Safety	N, K, B
	EN ISO 4254-5/-6/-7/-10/-11/-12 2012-06 DIN EN ISO 4254-5/-6/-7/-10/-11/-12 2012-10	Agricultural machinery – Safety	K, N
	EN 500-1/-2/-3/-4/-6 2011-02	Mobile road construction machinery – Safety	K
	EN 609-2 2009-09	Agricultural and forestry machinery – Safety of log splitters – Part 2: Screw splitters	K, N
	EN ISO 10472-2/-3/-4/-5/-6 2008-11	Safety requirements for industrial laundry machinery	K
	EN ISO 11111-2/-3/-4/-5/-6/-7 2009-07	Textile machinery – Safety requirements	K
	EN 1672-1 2014-12	Food processing machinery – Basic concepts – Part 1: Safety requirements	K
	EN 1672-2 2009-07	Food processing machinery – Basic concepts – Part 2: Hygiene requirements	K
	EN 1673 2009-12	Food processing machinery – Rotary rack ovens – Safety and hygiene requirements	K
	EN 1674 2015-09	Food processing machinery – Dough sheeters – Safety and hygiene requirements	K

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Product and site safety of machines	IEC 60335-1 2010-05+AMD1:2013 +AMD2:2016 EN 60335-1 2012-01+AC+A11+A13	Household and similar electrical appliances – Safety – Part 1: General requirements	N
	IEC 60335-2-91 2008-02	Household and similar electrical appliances – Safety – Part 2-91: Particular requirements for walk-behind and hand-held lawn trimmers and lawn edges trimmers	N
	IEC 60335-2-92 2002-07 Corr. 1 2003-05	Household and similar electrical appliances – Safety – Part 2-92: Particular requirements for pedestrian-controlled mains-operated lawn scarifiers and aerators	N
	IEC 60335-2-94 2008-01	Household and similar electrical appliances – Safety – Part 2-94: Particular requirements for scissors type grass shears	N



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Product and site safety of machines	IEC 60335-2-100 2002-09 FprEN 60335-2-100 2013-05	Household and similar electrical appliances – Safety – Part 2-100: Particular requirements for hand-held mains-operated garden blowers, vacuums and blower vacuums	N
	IEC 60335-2-77 2002-07 EN 60335-2-77 2010-09	Safety of household and similar appliances – Part 2-77: Particular requirements for pedestrian-controlled walk-behind electrically powered lawn mowers (IEC 60335-2-77:2002, modified)	N
	IEC 60335-2-107 2017-12	Household and similar electrical appliances – Safety – Part 2-107: Particular requirements for robotic battery powered electrical lawnmowers	N
	EN 50636-2-91 2014-06	Household and similar electrical appliances – Safety – Part 2-91: Particular requirements for walk-behind and hand-held lawn trimmers and lawn edges trimmers	N
	EN 50636-2-92 2014-06	Household and similar electrical appliances – Safety – Part 2-92: Particular requirements for pedestrian-controlled mains-operated lawn scarifiers and aerators	N

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Product and site safety of machines	EN 50636-2-94 2014-06	Household and similar electrical appliances – Safety – Part 2-94: Particular requirements for scissors type grass shears	N
	EN 50636-2-100 2014-06	Household and similar electrical appliances – Safety – Part 2-100: Particular requirements for handheld mains-operated garden blowers, vacuums and blower vacuums	N
	EN 50636-2-107+A1 2015-01	Safety of household and similar appliances – Part 2-107: Particular requirements for robotic battery powered electrical lawnmowers	N
	EN 50434 2014-06	Safety of household and similar appliances – Particular requirements for mains operated shredders and chippers	N

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Product and site safety of machines	EN 50569 2013-11	Household and similar electrical appliances – Safety – Particular requirements for commercial electric spin extractors	K
	EN 50570 2013-11	Household and similar electrical appliances – Safety – Particular requirements for commercial electric tumble dryers	K
	EN 50571 2013-11	Household and similar electrical appliances – Safety – Particular requirements for commercial electric washing machines	K
	EN 12012-1/-3/-4 2008-09	Plastics and rubber machines – Size reduction machines	K
	EN 12301 + A1 2008-09	Rubber and plastics machines – Calenders – Safety requirements	K
	EN 12409 + A1 2011-10	Plastics and rubber machines – Thermoforming machines – Safety requirements	K

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Product and site safety of machines	DIN EN 14886 2008-06	Plastics and rubber machines – Bandknife cutting machines for block foam – Safety requirements; German version EN 14886:2008	K, B
	EN 60204-1 2006-06 DIN EN 60204-1 2007-06	Safety of machinery – Electrical equipment of machines – Part 1: General requirements	B, N
	IEC 60204-1 2005-10 EN 60204-1 2006-06 DIN EN 60204-1 +A1+Ber.1 2010-05	Safety of machinery – Electrical equipment of machines	K
	DIN EN 60204-32 2009-03 EN 60204-32 2008-09	Safety of machinery – Electrical equipment of machines – Requirements for hoisting machines	K, B
	EN ISO 11681-1 2011-12	Machinery for forestry – Portable chain-saw safety requirements and testing – Part 1: Chain-saws for forest service	N
	EN ISO 11681-2+A1 2011-12	Machinery for forestry – Portable chain-saw safety requirements and testing – Part 2: Chain-saws for tree service	N
	EN 453 2014-10	Food processing machinery – Dough mixers – Safety and hygiene requirements	K
	EN 454 2014-11	Food processing machinery – Planetary mixers – Safety and hygiene requirements	K
	EN 536 2015-08	Road construction machines – Mixing plants for road construction materials – Safety requirements	K

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Product and site safety of machines	EN 1417 2014-12	Plastics and rubber machines – Two roll mills – Safety requirements	K
	EN 1459:1998+A3 2012-02	Safety of industrial trucks – Self-propelled variable reach trucks	K
	EN 1459-2 2015-09	Rough-terrain trucks – Safety requirements and verification – Part 2: Slewing variable-reach trucks	K
	EN 12041 2014-11	Food processing machinery – Moulders – Safety and hygiene requirements	K
	EN 12042 2014-04	Food processing machinery – Dough mixers – Safety and hygiene requirements	K
	EN 12043 2014-11	Food processing machinery – Intermediate provers – Safety and hygiene requirements	K
	EN 12268 2014-11	Food processing machinery – Band saw machines – Safety and hygiene requirements	K
	EN 12547 2014-10	Centrifuges – General safety requirements	K
	EN 13870 2014-10	Food processing machinery – Portion cutting machines – Safety and hygiene requirements	K
	EN 13871 2014-11	Food processing machinery – Cubes cutting machinery – Safety and hygiene requirements	K
	EN 13885+A1 2010-06	Food processing machinery – Clipping machines – Safety and hygiene requirements	K
	EN 13886+A1 2010-03	Food processing machinery – Cooking kettles equipped with powered stirrer and/or mixer – Safety and hygiene requirements	K
	EN 15572 2015-08	Machines and plants for mining and tooling of natural stone – Safety – Requirements for edge finishing machines	K

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Product and site safety of machines	EN 15811 2014-12	Agricultural machinery – Fixed guards and interlocked guards with or without guard locking for moving transmission parts (ISO/TS 28923:2012 modified)	K
	EN 15861 2012-06	Food processing machinery – Smokehouses – Safety and hygiene requirements	K
	EN 16474 2015-04	Plastics and rubber machines –Tyre curing presses – Safety requirements	K
	EN 16486 2014-07	Machines for compacting waste materials or recyclable fractions – Compactors – Safety requirements	K
	EN 16500 2014-08	Machines for compacting waste materials or recyclable fractions – Vertical baling presses – Safety requirements	K
	EN ISO 18217 2015-09	Safety of woodworking machines – Edge-banding machines fed by chain(s) (ISO 18217:2015)	K
	EN 62841-1:2015-08+AC	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety	N
	EN 62841-2-1:2018-01	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-1: Particular requirements for hand-held drills and impact drills	N
	EN 62841-2-2:2014-08+AC	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-2: Particular requirements for hand-held screwdrivers and impact wrenches	N

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Product and site safety of machines	EN 62841-2-4:2014-08+AC	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-4: Particular requirements for hand-held sanders and polishers other than disc type	N
	EN 62841-2-5:2014-08	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-5: Particular requirements for hand-held circular saws	N
	EN 62841-2-8:2016-10	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-8: Particular requirements for hand-held shears and nibblers	N
	EN 62841-2-9:2015-04+AC	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-9: Particular requirements for hand-held tappers and threaders	N
	EN 62841-2-10:2017-06	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-10: Particular requirements for hand-held mixers	N
	EN 62841-2-11:2016-04	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-11: Particular requirements for hand-held reciprocating saws	N
	EN 62841-2-14:2015:10	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-14: Particular requirements for hand-held planers	N

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Product and site safety of machines	EN 62841-2-17:2017-12	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-17: Particular requirements for hand-held routers	N
	EN 62841-3-1:2014-08+AC+A11	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-1: Particular requirements for transportable table saws	N
	EN 62841-3-4:2016-06+AC+A11	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-4: Particular requirements for transportable bench grinders	N
	EN 62841-3-6:2014-08+AC+A11	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-6: Particular requirements for diamond drills with liquid system	N
	EN 62841-3-9:2015-12+AC+A11	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-9: Particular requirements for transportable mitre saws	N
	EN 62841-3-10:2015:12+AC+A11	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-10: Particular requirements for transportable cut-off machines	N
	EN 62841-3-13:2017-06	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-13: Particular requirements for transportable drills	N



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Product and site safety of machines	EN 62841-3-14:2017-12	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-17: Particular requirements for transportable drain cleaners	N
	IEC 61029-2-1:1993 EN 61029-2-1:2012 DIN EN 61029-2-1:2013 VDE 0740-501: 2013	Safety of transportable motor-operated electric tools – Part 2-1: Particular requirements for circular saw benches	N
	IEC 61029-2-3:1993 EN 61029-2-3: 2011 DIN EN 61029-2-3:2012 VDE 0740-503:2012	Safety of transportable motor-operated electric tools-Part 2-3: Particular requirements for planers and thicknesses	N
	IEC 61029-2-4:1993 EN 61029-2-4:2011 DIN EN 61029-2-4:2011 VDE 0740-504:2011	Safety of transportable motor-operated electric tools – Part 2-4: Particular requirements for bench grinders	N
	IEC 61029-2-5:1993 EN 61029-2-5:2011 DIN EN 61029-2-5:2015 VDE 0740-505:2012	Safety of transportable motor-operated electric tools – Part 2-5: Particular requirements for band saws	N
	IEC 61029-2-6:1993 EN 61029-2-6: 2010 DIN EN 61029-2-6:2011	Safety of transportable motor-operated electric tools	N

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Product and site safety of machines	IEC 61029-2-7:1993	Safety of transportable motor-operated electric tools – Part 2: Particular requirements for diamond saws with water supply	N
	IEC 61029-2-8 :1995 EN 61029-2-8:2010 DIN EN 61029-2-8:2011 VDE 0740-508:2011	Safety of transportable motor-operated electric tools – Part 2-8: Particular requirements for single spindle vertical moulders	N
	IEC 61029-2-9 :1995 EN 61029-2-9:2012 DIN EN 61029-2-9:2014 VDE 0740-509:2014	Safety of transportable motor-operated electric tools-Part 2-9: Particular requirements for mitre saws	N
	IEC 61029-2-10:1998 EN 61029-2-10:2010 DIN EN 61029-2-10:2014 VDE 0740-510:2014	Safety of transportable motor-operated electric tools-Part 2-10: Particular requirements for cutting-off grinders	N
	IEC 61029-2-11:2001 EN 61029-2-11:2012 DIN EN 61029-2-11:2014 VDE 0740-511:2014	Safety of transportable motor-operated electric tools-Part 2-11: Particular requirements for combined mitre and bench saws	N
	IEC 61029-2-12:2010 DIN EN 61029-2-12:2011 EN 61029-2-12:2011	Safety of transportable motor-operated electric tools – Part 2-12: Particular requirements for threading machines	N

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Product and site safety of machines	EN 50580-2-7: 2012 + A1:2013 DIN EN 50580-2-7: 2014 VDE 0740-407	Safety of hand-held electric motor operated tools – Part 2-7: Particular requirements for spray guns; and battery packs	N
	IEC 60745-1:2006 EN 60745-1:2009 DIN EN 60745-1:2010 VDE 0740-1:2010	Hand-held motor-operated electric tools-Safety – Part 1: General requirements	N
	IEC 60745-2-1:2006 EN 60745-2-1:2010 DIN EN 60745-2-1:2011 VDE 0740-2-1:2011	Hand-held motor-operated electric tools-Safety – Part 2-1: Particular requirements for drills and impact drills	N
	IEC 60745-2-2:2006 EN 60745-2-2:2010 DIN EN 60745-2-2:2011 VDE 0740-2-2:2011	Hand-held motor-operated electric tools – Safety – Part 2-2: Particular requirements for screwdrivers and impact wrenches	N
	IEC 60745-2-3:2006 EN 60745-2-3:2011 DIN EN 60745-2-3:2014 VDE 0740-2-3:2014	Hand-held motor-operated electric tools – Safety – Part 2-3: Particular requirements for grinders, polishers and disk-type sanders	N

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Product and site safety of machines	IEC 60745-2-4:2006 EN 60745-2-4:2009 DIN EN 60745-2-4: 2012 VDE 0740-2-4:2012	Hand-held motor-operated electric tools – Safety-Part 2-4: Particular requirements for sanders and polishers other than disk type	N
	IEC 60745-2-5:2010 EN 60745-2-5:2010 DIN EN 60745-2-5:2011 VDE 0740-2-5:2011	Hand-held motor-operated electric tools – Safety – Part 2-5: Particular requirements for circular saws	N
	IEC 60745-2-6:2005 EN 60745-2-6:2010 DIN EN 60745-2-6:2011 VDE 0740-2-6:2011	Hand-held motor-operated electric tools – Safety-Part 2-6: Particular requirements for hammers	N
	IEC 60745-2-8:2003 EN 60745-2-8:2009 DIN EN 60745-2-8:2010 VDE 0740-2-8:2010	Hand-held motor-operated electric tools – Safety – Part 2-8: Particular requirements for shears and nibblers	N
	IEC 60745-2-9:2003 EN 60745-2-9:2009 DIN EN 60745-2-9:2010 VDE 0740-2-9:2010	Hand-held motor-operated electric tools – Safety – Part 2-9: Particular requirements for tappers	N

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Product and site safety of machines	IEC 60745-2-11:2006 EN 60745-2-11:2010 DIN EN 60745-2-11:2011 VDE 0740-2-11:2011	Hand-held motor-operated electric tools – Safety-Part 2-11: Particular requirements for reciprocating saws (jig and sabre saws)	N
	IEC 60745-2-12:2006 EN 60745-2-12:2009 DIN EN 60745-2-12:2009 VDE 0740-2-12:2009	Hand-held motor-operated electric tools – Safety Part 2-12: Particular requirements for concrete vibrators	N
	IEC 60745-2-13:2006 EN 60745-2-13:2009 DIN EN 60745-2-13:2011 VDE 0740-2-13:2011	Hand-held motor-operated electric tools – Safety – Part 2-13: Particular requirements for chain saws	N
	IEC 60745-2-14:2003 EN 60745-2-14:2009 DIN EN 60745-2-14:2011 VDE 0740-2-14:2011	Hand-held motor-operated electric tools – Safety – Part 2-14: Particular requirements for planers	N
	IEC 60745-2-15:2006 EN 60745-2-15:2009 DIN EN 60745-2-15:2010 VDE 0740-2-15:2010	Hand-held motor-operated electric tools – Safety – Part 2-15: Particular requirements for hedge trimmers	N

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Subject area	Standard/in-house method/version	Title of standard or in-house method	Location
Product and site safety of machines	IEC 60745-2-16:2008 EN 60745-2-16:2010 DIN EN 60745-2-16:2011 VDE 0740-2-16:2011	Hand-held motor-operated electric tools – Safety – Part 2-16: Particular requirements for tackers	N
	IEC 60745-2-17:2010 EN 60745-2-17:2010 DIN EN 60745-2-17:2011 VDE 0740-2-17:2011	Hand-held motor-operated electric tools – Safety – Part 2-17: Particular requirements for routers and trimmers	N
	IEC 60745-2-18:2003 EN 60745-2-18:2009 DIN EN 60745-2-18:2010 VDE 0740-2-18:2010	Hand-held motor-operated electric tools – Safety – Part 2-18: Particular requirements of strapping tools	N
	IEC 60745-2-19:2005 EN 60745-2-19:2009 DIN EN 60745-2-19:2011 VDE 0740-2-19:2011	Hand-held motor-operated electric tools-Safety – Part 2-19: Particular requirements for jointers	N
	IEC 60745-2-20:2003 EN 60745-2-20:2009 DIN EN 60745-2-20:2010 VDE 0740-2-20:2010	Hand-held motor-operated electric tools-Safety-Part 2-20: Particular requirements for band saws	N

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Subject area	Standard/in-house method/version	Title of standard or in-house method	Location
Product and site safety of machines	IEC 60745-2-21:2002 EN 60745-2-21:2009 DIN EN 60745-2-21:2011 VDE 0740-2-21:2011	Hand-held motor-operated electric tools-Safety-Part 2-21: Particular requirements for drain cleaners	N
	DIN EN 60745-2-22:2013 EN 60745-2-23:2011 IEC 60745-2-22:2011	Hand-held motor-operated electric tools – Safety – Part 2-22: Particular requirements for cut-off machines (IEC 60745-2-22:2011, modified); German version EN 60745-2-22:2011	N
	DIN EN 60745-2-23:2013 EN 60745-2-23:2013 IEC 60745-2-23:2012	Hand-held motor-operated electric tools – Safety – Part 2-23: Particular requirements for die grinders and small rotary tools (IEC 116/63/CD:2011)	N
	EN 50338:2000 DIN EN 50338:2007 VDE 0700-771:2007	Safety of household and similar electrical appliances – Particular requirements for pedestrian-controlled battery powered electrical lawn mowers	N
	EN 836:1997 DIN EN 836:2012	Garden equipment – Powered lawnmowers – Safety	N
	ISO 11806:2011 EN 11806:2011 DIN EN ISO 11806:2012	Agricultural and forestry machinery – Safety requirements and testing for portable, hand-held, powered brush-cutters and grass-trimmers – Part 1: Machines fitted with an integral combustion engine	N

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Subject area	Standard/in-house method/version	Title of standard or in-house method	Location
Product and site safety of machines	EN 13683: 2013 DIN EN 13683:2013	Garden equipment – Integrally powered shredders/chippers – Safety	N
	EN 13684: 2009 DIN EN 13684:2010	Garden equipment – Pedestrian controlled lawn aerators and scarifiers – Safety	N
	IEC 61851-1: 2010:2010 DIN EN 61851:2012 VDE 0122-1:2013	Electrical equipment of electric road vehicles – Electric vehicles conductive charging system – Part 2-1: Electric vehicle requirements for conductive connection to an a.c./d.c. supply	K
	EN 1870-3/-4/-5/-6/-7/ -8/-9/-10/-11/-12/-13/ -14/-15/-16/-17/-18/-19: 2013 DIN EN 1870-3/-4/-5/-6/ -7/-8/-9/-10/-11/-12/ -13/-14/-15/-16/-17/ 18/-19:2014	Safety of woodworking machines – Circular sawing machines	K
	EN ISO 19085-1/-2/-3/-4/-5/- 6/-7/-8/-9/-10/-11/-12/-13/- 15/-16:2017		
	EN 859:2004 DIN EN 859:2012	Safety of woodworking machines – Hand fed surface planing machines	K



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<b>Subject area</b>	<b>Standard/in-house method/version</b>	<b>Title of standard or in-house method</b>	<b>Location</b>
Product and site safety of machines	EN 860:2012 DIN EN 860:2012	Safety of woodworking machines – One side thickness planing machines	K
	EN 861:2012 DIN EN 861:2012	Safety of woodworking machines – Surface planing and thicknessing machines	K
	EN 940:2012 DIN EN 940:2012	Safety of woodworking machines – Combined woodworking machines	K
	EN 848-1/-2/-3:2012 DIN EN 848-1/-2/-3:2013	Safety of woodworking machines – One side moulding machines with rotating tool	K
	EN 1218-1/-2/-3/-4/-5: 2009 DIN EN 1218-1/-2/-3/-4/-5:2010	Safety of wood working machines – Tenoning machines	K
	EN 12750:2013 DIN EN 12750:2013	Safety of woodworking machines – Four-sided moulding machines	K
	EN 12622:2013 DIN EN 12622:2014	Safety of machine tools – Hydraulic press brakes	K

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Subject area	Standard/in-house method/version	Title of standard or in-house method	Location
Product and site safety of machines	EN 692:2009 DIN EN 692:2009	Machine tools – Mechanical presses – Safety	K
	EN ISO 16092-1:2018-12 prEN ISO 16092-2:2018-08		
	EN 693:2011 DIN EN 693:2011	Machine tools – Safety – Hydraulic presses	K
	EN ISO 16092-1:2018-12 EN ISO 16092-3:2018-02		
	EN 201:2009 DIN EN 201:2010	Plastics and rubber machines – Injection moulding machines – Safety requirements	K
	EN 422: 2009 DIN EN 422:2009	Plastics and rubber machines – Blow moulding machines – Safety requirements	K
	EN 289:2008 DIN EN 289:2009	Plastics and rubber machines – Presses – Safety requirements	K
	DIN EN ISO 11553-1/-2/-3:2009	Safety of machinery – Laser processing machines	K
EN 1010:2010 DIN EN 1010:2011	Safety of machinery – Safety requirements for the design and construction of printing and paper converting machines	K	

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Subject area	Standard/in-house method/version	Title of standard or in-house method	Location
Product and site safety of machines	IEC 60519-1/-2/-3/-4/-5/-6/-7/-8/-9/-10/-11/-12/-21:2013 EN 60519-1/-2/-3/-4/-5/-6/-7/-8/-9/-10/-11/-12/-21:2013 DIN EN 60519-1/-2/-3/-4/-5/-6/-7/-8/-9/-10/-11/-12/-21:2014	Safety in electroheat installations	K
	EN 415-1/-2/-3/-4/-5/-6/-7/-8/-9/-10:2014 DIN EN 415-1/-2/-3/-4/-5/-6/-7/-8/-9/-10:2014	Packaging machines safety	K
	EN 792-13:2008 DIN EN 792-13:2009	Hand-held non-electric power tools – Safety requirements	N
	DIN EN ISO 4413:2011	Hydraulic fluid power – General rules and safety requirements for systems and their components	K
	DIN EN ISO 4414:2011	Pneumatic fluid power – General rules and safety requirements for systems and their components (ISO 4414:2010)	K
	DIN EN ISO 10218-1:2012	Robots and robotic devices – Safety requirements for industrial robots – Part 1: Robots (ISO 10218-1:2011); German version EN ISO 10218-1:2011	K
	EN 1012-1/-2:2010	Compressors and vacuum pumps – Safety requirements	K, N
	EN 12151:2007	Machinery and plants for the preparation of concrete and mortar – Safety requirements	K
	EN 12417:2009	Machine tools – Safety – Machining centres	K
	EN 12418:2009	Masonry and stone cutting-off machines for job site – Safety	K
	EN 12717:2009	Safety of machine tools – Drilling machines	K, N
	EN 13218:2010	Machine tools – Safety – Stationary grinding machines	K, N
	EN ISO 23125:2010	Machine tools – Safety – Turning machines	K

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Subject area	Standard/in-house method/version	Title of standard or in-house method	Location
Product and site safety of machines	EN 13898:2010	Machine tools – Safety – Sawing machines for cold metal	K
	EN 13985:2009	Machine tools – Safety – Guillotine shears	K
	EN 1493:2010	Vehicle lifts	K
	EN ISO 4254-1:2013	Agricultural machinery – Safety	N
	EN 1570-1:2011	Safety requirements for lifting tables	K
	DIN EN 1807-1/-2:2013	Safety of woodworking machines – Band sawing machines	K
	EN ISO 13857:2008	Safety of machinery – Safety distances to prevent hazard zones being reached by upper and lower limbs	K
	EN 500-1:2009	Mobile road construction machinery – Safety	K
	EN 609-1:2009	Agricultural and forestry machinery – Safety of log splitters	K, N
	EN 709+A4/AC:2012	Agricultural and forestry machinery – Pedestrian controlled tractors with mounted rotary cultivators, motor hoes, motor hoes with drive wheel(s) – Safety	K, N
	EN ISO 4254-1:2013	Agricultural machinery – Safety	K
	EN 786:2009	Garden equipment – Electrically powered walk-behind and hand-held lawn trimmers and lawn edge trimmers – Mechanical safety	N
	EN 809+A1/AC:2010	Pumps and pump units for liquids – Common safety requirements	K

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<b>Subject area</b>	<b>Standard/in-house method/version</b>	<b>Title of standard or in-house method</b>	<b>Location</b>
Product and site safety of machines	EN 869+A1:2009	Safety of machinery – Safety requirements for pressure metal die casting units	K
	EN 15503:2013	Garden equipment – Garden blowers, vacuums and blowers/vacuums – Safety	K, N
	EN ISO 10472-1:2008	Safety requirements for industrial laundry machinery	K
	EN ISO 10517:2009	Powered hand-held hedge trimmers – Safety (ISO 10517:2009); German version EN ISO 10517:2009	N
	EN ISO 11111-1:2009	Textile machinery – Safety requirements	K
	EN ISO 11680:2011	Machinery for forestry – Safety requirements and testing for pole-mounted powered pruners	N
	EN ISO 19432:2012	Building construction machinery and equipment – Portable, hand-held, internal combustion engine driven cut-off machines – Safety requirements	N
	ISO 11789:1999	Powered edgers with rigid cutting means	K, N
	ISO 8437:1989	Snowthrowers – Safety requirements and test procedures	K, N

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**5 Building acoustics\***

Subject area	Standard/in-house method/version	Title of standard or in-house method	Location
Construction Products / Construction / Fire Protection	ISO 354:2003 EN ISO 354:2003 DIN EN ISO 354:2003	Acoustics – Measurement of sound absorption in a reverberation room	N
	ISO 3822-1:1999+A1:2008 EN ISO 3822-1:1999 +A1:2008 DIN EN ISO 3822-1:2009	Acoustics – Laboratory tests on noise emission from appliances and equipment used in water supply installations – Part 1: Method of measurement	N
	ISO 3822-2:1995 EN ISO 3822-2:1995 DIN EN ISO 3822-2:1995	Acoustics – Laboratory tests on noise emission from appliances and equipment used in water supply installations – Part 2: Mounting and operating conditions for draw-off taps and mixing valves	N
	ISO 3822-3:1997+A1:2009 EN ISO 3822-3:1997 +A1:2009 DIN EN ISO 3822-3:2010	Acoustics – Laboratory tests on noise emission from appliances and equipment used in water supply installations – Part 3: Mounting and operating conditions for in-line valves and appliances	N

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Subject area	Standard/in-house method/version	Title of standard or in-house method	Location
Construction Products / Construction / Fire Protection	ISO 3822-4:1997 EN ISO 3822-4:1997 DIN EN ISO 3822-4:1997	Acoustics – Laboratory tests on noise emission from appliances and equipment used in water supply installations – Part 4: Mounting and operating conditions for special appliances	N
	ISO 10534-2:1998 EN ISO 10534-2:2001 DIN EN ISO 10534-2:2007	Acoustics – Determination of sound absorption coefficient and impedance in impedance tubes – Part 2: Transfer-function method	N
	ISO 11654:1997 EN ISO 11654:1997 DIN EN ISO 11654:1997	Acoustics – Sound absorbers for use in buildings – Rating of sound absorption	N
	ISO 140-14:2004 EN ISO 140-14:2004 DIN EN ISO 140-14:2004+B1:2009	Acoustics – Measurement of sound insulation in buildings and of building elements – Part 14: Guidelines for special situations in the field	N
	ISO 3382-1:2009 EN ISO 3382-1:2009 DIN EN ISO 3382-1:2009	Acoustics – Measurement of room acoustic parameters – Part 1: Performance spaces	N

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Subject area	Standard/in-house method/version	Title of standard or in-house method	Location
Construction Products / Construction / Fire Protection	ISO 3382-2:2008 EN ISO 3382-2:2008 DIN EN ISO 3382-2:2008	Acoustics – Measurement of room acoustic parameters – Part 2: Reverberation time in ordinary rooms	N
	ISO 10052:2004 +Amd.1:2010 EN 10052:2004+A1:2010 DIN EN ISO 10052:2010	Acoustics – Field measurements of airborne and impact sound insulation and of service equipment sound – Survey method	N
	EN 20140-2:1993 DIN EN 20140-2:1993	Acoustics – Measurements of sound insulation in buildings and of building elements – Part 2: Determination, verification and application of precision data	N
	DIN 4109:1989+B1:1992 +A1:2001	Sound insulation in buildings; requirements and testing	N
	DIN 4109 supplementary sheet 1:1989 +A1:2003+A2:2010	Sound insulation in buildings; construction examples and calculation methods	N
	DIN 4109 supplementary sheet 2:1989	Sound insulation in buildings; guidelines for planning and execution; proposals for increased sound insulation; recommendations for sound insulation in personal living and working areas	N
	DIN 4109 supplementary sheet 3:1996	Sound insulation in buildings – Calculation of R' <sub>w</sub> ,R for assessing suitability as defined in DIN 4109 on the basis of the sound reduction index R <sub>w</sub> determined in laboratory tests	N
	DIN 4109-4 2016-7	Sound insulation in buildings – Part 4: Testing of acoustics in buildings	N

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Subject area	Standard/in-house method/version	Title of standard or in-house method	Location
Construction Products / Construction / Fire Protection	DIN EN ISO 12999-1 2014-05	Acoustics – Determination and application of measurement uncertainties in building acoustics – Part 1: Sound insulation (ISO 12999-1:2014); German version EN ISO 12999-1:2014	N
	DB RL 804.5501:2007	Railway noise barriers – Clause 4 "Acoustic requirements"	N
	ZTV-Lsw 06:2006	Additional Technical Contract Conditions and directives for production of road noise barriers – Clause 2.1 "Sound insulation" and Clause 2.2 "Sound absorption"	N
	EN ISO 16283-1:2014 DIN EN ISO 16283-1:2014	Acoustics – Field measurement of sound insulation in buildings and of building elements – Part 1: Airborne sound insulation	N
	DIN EN ISO 16283-2 2016-05	Acoustics – Field measurement of sound insulation in buildings and of building elements – Part 2: Airborne sound insulation	N
	DIN EN ISO 16283-3 2016-09	Acoustics – Field measurement of sound insulation in buildings and of building elements – Part 3: Airborne sound insulation	N

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**6 Testing of construction products and building materials\***

Subject area	Standard/in-house method/version	Title of standard or in-house method	Location
Construction Products / Construction / Fire Protection	DIN EN ISO 105-B02 2014-11	Textiles – Tests for colour fastness – Part B02: Colour fastness to artificial light: Xenon arc fading lamp test	N
	DIN EN ISO 19712-2 2013-04	Plastics – Decorative solid surfacing materials – Part 2: Determination of properties – Sheet goods	N, W
	DIN EN ISO 19712-3 2017-11	Plastics – Decorative solid surfacing materials – Part 3: Determination of properties – Solid surface shapes	N, W

**7 Testing of construction products 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	Location
<b>1997/464/CE</b> <b>2004/663/CE</b> Products for waste water engineering within buildings	3	<b>EN 12050-1:2001</b> Wastewater lifting plants for buildings and sites – Principles of construction and testing – Part 1: Lifting plants for wastewater containing faecal matter	W
		<b>EN 12050-2:2000</b> Wastewater lifting plants for buildings and sites – Principles of construction and testing – Part 2: Lifting plants for faecal-free wastewater	W
		<b>EN 12050-3:2000</b> Wastewater lifting plants for buildings and sites – Principles of construction and testing – Part 3: Lifting plants for limited applications	W
		<b>EN 12050-4:2000</b> Wastewater lifting plants for buildings and sites – Principles of construction and testing – Part 4: Non-return valves for faecal-free wastewater and wastewater containing faecal matter	W

<sup>1)</sup>System for assessment and verification of constancy of performance

*The requirements for a testing laboratory in accordance with Article 43 of the Construction Products Regulation are met. Test methods that are required for determination of the product type and cannot be performed by the certificate holder are set out in the list of subcontractors.*

*The testing laboratory is permitted to apply various revisions of the harmonised technical specifications without the prior approval of Deutsche Akkreditierungsstelle GmbH.*

**8 Testing of sound absorption of construction products for which no indication of a relevant harmonised technical specification is required (item 3, Annex V (EU) No. 305/2011) – (N)**

EN ISO 354 2003	Acoustics – Measurement of sound absorption in a reverberation room
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*The requirements for a testing laboratory in accordance with Article 43 of the Construction Products Regulation are met.*

**Abbreviations used:**

B	Berlin location, TRLP
BGI	Information from Berufsgenossenschaften (German employer's liability insurance associations)
BS	British Standard
DIBt	Deutsches Institut für Bautechnik (Centre of Competence for Construction)
DIN	Deutsches Institut für Normung e.V. (German Institute for Standardisation)
EN	European Standard
ISO	International Organization for Standardization
K	Cologne location, TRLP
N	Nuremberg location, TRLP
PfG	Prüfgrundsatz (testing principle)
VDE	Verband der deutschen Elektrotechnik (German Association for Electrical, Electronic & Information Technologies)
W	Location Würzburg, TRLP

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<sup>1</sup> Directive 2000/14/EC of the European Parliament and of the Council of 8 May 2000 on the approximation of the laws of the Member States relating to the noise emission in the environment by equipment for use outdoors, as amended by Directive 2005/88/EC of the European Parliament and of the Council of 14 December 2005