

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-20051-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 17.07.2020

Date of issue: 17.07.2020

Holder of certificate:

eco-INSTITUT Germany GmbH
Schanzenstraße 6-20, 51063 Köln

Tests in the fields:

Determination (sampling and analysis) of emissions from construction products, furnishing and consumer goods;

Testing of resilient, textile and laminate, parquet and wood floor coverings according to regulation (EU) No. 305/2011 laying down harmonised conditions for the marketing of construction products (Construction Products Regulation);

Construction products emission testing of dangerous substances where reference to a relevant harmonized technical specification is not required (item 3. annex V, (EU) No. 305/2011)

Within the given testing field marked with *, the testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, the free choice of standard or equivalent testing methods.

The listed testing methods are exemplary.

Also 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 methods within the flexible scope of accreditation.

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

Abbreviations used: see last page

*The certificate together with its annex reflects the status at the time of the date of issue. The current status of the scope of accreditation can be found in the database of accredited bodies of Deutsche Akkreditierungsstelle GmbH.
<https://www.dakks.de/en/content/accredited-bodies-dakks>*

Annex to the accreditation certificate D-PL-20051-01-00

1 Determination (sampling and analysis) of emissions from construction products, furnishings and consumer goods

For the measurements indoor listed below, the requirements of the sampling strategies DIN EN 16000-1 (general aspects) in the respective current versions for the sampling part are met.

1.1 Determination of volatile organic compounds by test chamber method *

DIN ISO 16000-3 2013-01	Indoor air - Part 3: Determination of formaldehyde and other carbonyl compounds in indoor air and test chamber air - Active sampling method
DIN ISO 16000-6 2012-11	Indoor air - Part 6: Determination of volatile organic compounds in indoor and test chamber air by active sampling on Tenax TA® sorbent, thermal desorption and gas chromatography using MS or MS-FID (ISO 16000-6:2011)
DIN EN ISO 16000-9 2008-04	Indoor air - Part 9: Determination of the emission of volatile organic compounds from building products and furnishing - Emission test chamber method (ISO 16000-9:2006)
DIN EN ISO 16000-10 2006-06	Indoor air - Part 10: Determination of the emission of volatile organic compounds from building products and furnishing - Emission test cell method
DIN EN ISO 16000-11 2006-06	Indoor air - Part 11: Determination of the emission of volatile organic compounds from building products and furnishing - Sampling, storage of samples and preparation of test specimens
DIN ISO 16000-23 2019-03	Indoor air - Part 23: Performance test for evaluating the reduction of formaldehyde and other carbonyl compounds concentrations by sorptive building materials
DIN ISO 16000-24 2019-03	Indoor air - Part 24: Performance test for evaluating the reduction of volatile organic compound concentrations by sorptive building materials
DIN EN ISO 16000-28 2012-12	Indoor air - Part 28: Determination of odour emissions from building products using test chambers (ISO 16000-28:2012)
ISO 10580 2010-05	Resilient, textile and laminate floor coverings Test method for volatile organic compound (VOC) emissions
ISO/DIS 12460-1 2007-09	Wood-based panels - Determination of formaldehyde release - Part 1: Formaldehyde emission by the 1-cubic-metre chamber method

-Translation-

Annex to the accreditation certificate D-PL-20051-01-00

DIN EN ISO 16017-1 2001-10	Indoor, ambient and workplace air - Sampling and analysis of volatile organic compounds by sorbent tube/thermal desorption/capillary gas chromatography - Part 1: Pumped sampling
DIN EN 16402 2019-08	Paints and varnishes - Assessment of emissions of substances from coatings into indoor air - Sampling, conditioning and testing
DIN EN 16516 2018-01	Construction products - Assessment of release of dangerous substances - Determination of emissions into indoor air
DIN EN 16738 2016-04	Emission safety of combustible air fresheners - Test methods
DIN ISO 12219-2 2012-11	Interior air of road vehicles - Part 2: Screening method for the determination of the emissions of volatile organic compounds from vehicle interior parts and materials - Bag method
DIN ISO 12219-4 2013-12	Interior air of road vehicles - Part 4: Method for the determination of the emissions of volatile organic compounds from vehicle interior parts and materials - Small chamber method
DIN EN 717-1 2005-01	Wood-based panels - Determination of formaldehyde release - Part 1: Formaldehyde emission by the chamber method
VDI 3484-2 2001-11	Gaseous ambient air measurements - Indoor-air pollution measurements - Measurement of the formaldehyde concentration with the acetylacetone method
VDI 4302-01 2015-04	Sensory testing of indoor air and determination of odour emissions from building products - Fundamentals
VDI 4302-02 2015-04	Sensory testing of indoor air and determination of odour emissions from building products - Strategy for sensory testing of indoor air
VDI 4301-6 2012-09	Measurement of indoor air pollution - Measurement of phthalates with GC/MS
Standard Method v.1.2 2017 CDPH/EHLB	Standard method for the testing and evaluation of volatile organic chemical emission from indoor sources using environmental chambers Version 1.2 - CDPH/EHLB standard method v.1.2
ANSI/BIFMA X7.1 2011 (R2016)	Standard for Formaldehyde and TVOC Emissions of Low-Emitting Office Furniture and Seating

-Translation-

Valid from: 17.07.2020
Date of issue: 17.07.2020

Annex to the accreditation certificate D-PL-20051-01-00

PM 078
2019-08
Determination of ammonia from test chambers via UV spectroscopy
(Spectroquant 1.14752.001 (Merck))

1.2 Further methods

DIN EN ISO 3071
2006-05
Textiles - Determination of pH of aqueous extract

DIN EN ISO 12460-4
2014-08
Wood-based panels - Determination of formaldehyde release -
Part 4: Desiccator method

DIN EN ISO 14184-1
2011-12
Textiles - Determination of formaldehyde - Part 1: Free and
hydrolysed formaldehyde (water extraction method)

DIN EN 717-3
1996-05
Wood-based panels - Determination of formaldehyde release -
Part 3: Formaldehyde release by the flask method
(modification: *tempering time 24 hours*)

ASTM D2369 - 10 e1
2010-09
Standard Test Method for Volatile Content of Coatings

VDA 270
2018-06
Determination of the odour characteristics of trim materials in
motor vehicles

VDA 275
1994-07
Moulded composites and fleeces for vehicles
Determination of formaldehyde release
Test procedure called modified flask method

VDA 278
2002-09
Thermal Desorption Analysis of Organic Emissions for the
Characterization of Non-Metallic Materials for Automobiles

VDI 2100-3
2010-03
Determination of gaseous compounds in ambient air -
Determination of indoor air pollutants - Gas chromatographic
determination of organic compounds

PM 059
2016-07
Screening via Headspace-GC/MS

-Translation-

Annex to the accreditation certificate D-PL-20051-01-00

2 Testing of resilient, textile and laminate, parquet and wood floor coverings in the context of regulation (EU) no. 305/2011 for defining harmonized conditions for the marketing of construction products (Construction Products Regulation)

Decision of commission	System ¹⁾	Technical specification
1997/808/EG Floor coverings	3	EN 14041:2004+AC:2006 Resilient, textile and laminate floor coverings - Essential characteristics
		EN 14342:2013 Wood flooring and parquet - Characteristics, evaluation of conformity and marking

¹⁾ System of evaluating and inspecting performance durability

The requirements are fulfilled according to article 43 of Construction Products Regulation. Test methods required for determination of product type being not carried out by certificate holder are listed in records of subcontractor.

3 Construction products emission testing of dangerous substances where reference to a relevant harmonized technical specification is not required (item 3. annex V, (EU) no. 305/2011)

EN 16516
2017

Construction products - Assessment of release of dangerous substances - Determination of emissions into indoor air

The requirements for testing laboratories are fulfilled according to article 43 of Construction Products Regulation.

Abbreviations used:

ANSI	American National Standards Institute
ASTM	American Society for Testing and Materials
BIFMA	Business - Institutional Furniture Manufacturers Association
DIN	Deutsches Institut für Normung (German institute for standardisation)
EN	Europäische Norm (European standard)
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
VDI	Verein Deutscher Ingenieure
VDA	Verband der Automobilindustrie
PM xxx	In house method of eco-INSTITUT Germany GmbH

-Translation-

Valid from: 17.07.2020
Date of issue: 17.07.2020