

# Deutsche Akkreditierungsstelle GmbH

## Annex to the Accreditation Certificate D-ZE-11140-02-00 according to DIN EN ISO/IEC 17065:2013

Period of validity: 21.12.2018 to 12.02.2023

Date of issue: 28.02.2019

Holder of certificate:

**Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.**  
**Fraunhofer-Institut für Holzforschung**  
**Wilhelm-Klauditz-Institut, WKI**  
**Bienroder Weg 54E, 38108 Braunschweig**

Certifications of products, processes and services in the fields:

**Certification of construction products (external monitoring and certification procedures of the Fraunhofer Institute for Wood Research Wilhelm-Klauditz-Institut WKI)**

**Chain of custody of timber products in accordance with PEFC rules and regulations (PEFC Chain of Custody of Forest Based Products)**

**Certification of wood, wood-based panels and products made of wood and wood-based panels with formaldehyde emission requirements**

**Certification of construction products (systems for assessment and verification of constancy of performance 1 and 1+) and factory production control (system 2+) under Regulation No 305/2011 laying down harmonised conditions for the marketing of construction products (Construction Products Regulation)**

Abbreviations used: see last page

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**1 Certification of construction products and activities**

Certification of construction products 2011-12                      Programme for certification of construction products outside the scope of the Construction Products Regulation

for the following products and activities

- |   |   |
|---|---|
| - Finger joint timber   | DIN 1052:2008-12, DIN 1052/Corrigendum 1:2010-5     |
| - Building-veneer plywood   | DIN 68705-3:1981-12                                 |
| - Construction Blockboard ant laminboard  | DIN 68705-4:1981-1                                  |
| - Veneer plywood of beech for building  | DIN 68705-5:1980-10                                 |
| - Flat pressed particle board   | DIN 68763:1990-09                                   |
| - Structures with punched metal plate fasteners   | DIN 1052:2008-12,<br>DIN 1052/Corrigendum 1:2010-05 |
| - Double-sided clad or planked non-glued wall, ceiling and roof elements such as panel elements for timber houses in panel construction | DIN 1052:2008-12,<br>DIN 1052/Corrigendum 1:2010-05 |
| - In-situ foam produced from urea-formaldehyde resin for thermal insulation   | DIN 18159-2:1978-06                                 |
| - Carpentry onnections  | Z-9.1-...   |
| - Multi-layer sheeting, laminated veneer lumber   | Z-9.1-...   |
| - Plywood   | Z-9.1-...   |
| - Particleboards, organically bound   | Z-9.1-...   |
| - Particle boards, mineral bound  | Z-9.1-...   |
| - Fibreboards, organically bound  | Z-9.1-...   |
| - OSB- panels   | Z-9.1-...   |
| - Components for composite thermal insulation systems for timber construction   | Z-33.47-...   |

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- Thermal insulation material with special properties made of wood wool Z-23.15-...
- Thermal insulation material with special properties made of wood fibres Z-23.15-...
- Sports flooring systems and fire retardant floor coverings in recreation rooms Z-156.601-156.611
- Floor coverings and wall coverings in recreation rooms Z-156.601-156.613, Z-159.10-...

**2 Chain of Custody of timber products in accordance with PEFC and regulations (PEFC Chain of Custody of Forest Based Products)**

Certification rules of Wilhelm-Klauditz-Institut:

VA-24\_PEFC\_Logo\_150205, use of the PEFC- Logo, 05.02.2015

**in conjunction with:**

*Chain of custody of timber products- Requirements {PEFC DST 2002:2013}*  
*Requirements for certification bodies- Chain of custody of timber products {PEFC DST 2003:2012} Guideline for use of the PEFC logo {PEFC DST 2001:2008}*

**3 Certification of wood, wood-based panels and products made of wood and wood-based panels with formaldehyde emission requirements**

EPA TSCA Title VI – Final rule 40 CFR Part 770: 2016-12 + Updates 2017-08, 2018-02, 2018-04	US-Environmental Protection Agency (EPA): Toxic Substances Control Act (TSCA) – TSCA Title VI – Final rule 40 CFR Part 770 – Formaldehyde Emission Standards for Composite Wood Products <sup>1)</sup>
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California Code of Regulations Title 17, sections 93120- 93120.12 2008-04	California Air Resources Board (CARB): California Code of Regulations (CCR) –Title 17; Final Regulation Order § 93120- 93120.12 – Airborne Toxic Control Measure to Reduce Formaldehyde Emissions from Composite Wood Products (ATCM) <sup>1)</sup>
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<sup>1)</sup> Confirmation of competence outside the scope of Regulation (EU) 765/2008

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**4 Certification of construction products (systems for assessment and verification of constancy of performance 1) and factory production control (system 2+) under Regulation No 305/2011 laying down harmonised conditions for the marketing of construction products (Construction Products Regulation)**

Decision of the Commission	System <sup>2)</sup>	Technical specification
<b>1997/176/EG</b> Structural timber products	1	<b>EN 14080:2013</b> Timber structures-Glued laminated timber and glued solid timber-Requirements
		<b>EN 14374:2004</b> Timber structures- structural laminated veneer lumber requirements
		<b>EN 15497:2014</b> Structural finger joint solid timber- performance requirements and minimum production requirements
		<b>EN 16351:2015</b> <sup>3)</sup> Timber structures- Cross laminated timber- Requirements
		<b>EAD 140015-00-0304: 2018</b> Walls, Roofs and Ceilings made of OSB-Planel which are glued together on their surfaces
	2+	<b>EN 14081-1:2005+A1:2011</b> Timber structures- Strength grades structural timber with rectangular cross section- Part 1: General requirements
		<b>EN 14250:2010</b> Timber structures- Product requirements for prefabricated structural members assembled with punched metal plate fasteners
<b>1997/462/EG</b> Wood-based panels	1/2+	<b>EN 13986:2004+A1:2015</b> Wood-based panels for use in construction- Characteristics, evaluation of conformity and marking
<b>1997/808/EG</b> Floor coverings	1	<b>EN 14041:2004+AC:2006</b> Resilient, textile and laminate floor coverings- Essential characteristics
		<b>EN 14342:2013</b> Wood flooring- Characteristics, evaluation of conformity and marking
		<b>EN 14904:2006</b> Surfaces for sport areas- Indoor surfaces for multi-sports use- Requirements

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Decision of the Commission	System <sup>1)</sup>	Technical specification
<b>1998/437/EG</b> Internal and external wall and ceiling finishes	1	<b>EN 438-7:2005</b> High-pressure decorative laminates (HPL)-Sheets based on thermosetting resins (usually called laminates)- Part 7: Compact laminate and HPL composite panels for internal and external wall and ceiling finishes
<b>1999/91/EG</b> Thermal insulation products	1	<b>EN 13168:2012+A1:2015</b> Thermal insulation products for buildings- Factory made wood wool (WW) products-Specification

<sup>2)</sup> System of assessment and verification of consistency of performance

<sup>3)</sup> Harmonization in preparation

*The requirements for a certification body for products and for a certification body for factory production control according to Annex V of the Construction Products Regulation are fulfilled according to article 43 of the Construction Products Regulation. Required tasks which the holder of the certificate cannot perform are described in the list of subcontractors.*

*Without prior approval by the German Accreditation Body, the certification body is permitted to use new revisions of product standards in certification schemes.*

**Abbreviations used:**

DIBt	Deutsches Institut für Bautechnik
DIN	Deutsches Institut für Normung e.V.
EAD	European Assessment Document
EG	European Community
EN	European Standard
EPA	US-Environmental Protection Agency
EU	European Union
ISO	International Organization for Standardization
IEC	International Electrotechnical Commission
NBauO	Niedersächsische Bauordnung (Lower Saxony Building Code)
PEFC	Programme for the Endorsement of Forest Certification Schemes
TSCA	Toxic Substances Control Act
VA	Procedural instructions