Deutsche Akkreditierungsstelle GmbH

Entrusted according to Section 8 subsection 1 AkkStelleG in connection with Section 1 subsection 1 AkkStelleGBV
Signatory to the Multilateral Agreements of EA, ILAC and IAF for Mutual Recognition

Accreditation

The Deutsche Akkreditierungsstelle GmbH attests that the certification body

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

is competent under the terms of DIN EN ISO/IEC 17065:2013 to carry out certifications of products, processes and services in the following 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)

The accreditation certificate shall only apply in connection with the notice of accreditation of 21.12.2018 with the accreditation number D-ZE-11140-02 and is valid until 12.02.2023. It comprises the cover sheet, the reverse side of the cover sheet and the following annex with a total of 5 pages.

Registration number of the certificate: D-ZE-11140-02-00

Berlin, 21.12.2018
Dr. Heike Manke
Head of Division
Translation issued: 28.02.2019
Head of Division

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

See notes overleaf.
Deutsche Akkreditierungsstelle GmbH

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Spittelmarkt 10
10117 Berlin

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

Office Braunschweig
Bundesallee 100
38116 Braunschweig

The publication of extracts of the accreditation certificate is subject to the prior written approval by Deutsche Akkreditierungsstelle GmbH (DAkkS). Exempted is the unchanged form of separate disseminations of the cover sheet by the conformity assessment body mentioned overleaf.

No impression shall be made that the accreditation also extends to fields beyond the scope of accreditation attested by DAkkS.

The accreditation was granted pursuant to the Act on the Accreditation Body (AkkStelleG) of 31 July 2009 (Federal Law Gazette I p. 2625) and the Regulation (EC) No 765/2008 of the European Parliament and of the Council of 9 July 2008 setting out the requirements for accreditation and market surveillance relating to the marketing of products (Official Journal of the European Union L 218 of 9 July 2008, p. 30). 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 Cooperation (ILAC). The signatories to these agreements recognise each other's accreditations.

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 GmbH

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


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:

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Abbreviations used: see last page
1 Certification of construction products and activities

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

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 and 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, 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, DIN 1052/Corrigendum 1:2010-05
- In-situ foam produced from urea-formaldehyde resin for thermal insulation DIN 18159-2:1978-06
- Carpentry connections 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-...
Annex to the Accreditation Certificate D-ZE-11140-02-00

- 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)*  

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

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)

*1) Confirmation of competence outside the scope of Regulation (EU) 765/2008*
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)

<table>
<thead>
<tr>
<th>Decision of the Commission</th>
<th>System 1/2</th>
<th>Technical specification</th>
</tr>
</thead>
</table>
| 1997/176/EG Structural timber products | 1 | EN 14080:2013 Timber structures-Glued laminated timber and glued solid timber-Requirements  
EN 14374:2004 Timber structures- structural laminated veneer lumber requirements  
EN 15497:2014 Structural finger joint solid timber- performance requirements and minimum production requirements  
EN 16351:2015 3) Timber structures- Cross laminated timber- Requirements  
EAD 140015-00-0304: 2018 Walls, Roofs and Ceilings made of OSB-Planels which are glued together on their surfaces |
| 1997/808/EG Floor coverings | 1 | EN 14041:2004+AC:2006 Resilient, textile and laminate floor coverings- Essential characteristics  
EN 14342:2013 Wood flooring- Characteristics, evaluation of conformity and marking  
EN 14904:2006 Surfaces for sport areas- Indoor surfaces for multi-sports use-Requirements |
### Decision of the Commission

<table>
<thead>
<tr>
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<th>Technical Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1998/437/EG Internal and external wall and ceiling finishes</td>
<td>1</td>
<td>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</td>
</tr>
</tbody>
</table>

2) System of assessment and verification of consistency of performance

3) 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