

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 testing laboratory

**Technische Universität München – Materialprüfungsamt für das Bauwesen
Arcisstraße 21, 80333 München**

At the sites:

Pasing, Baumbachstraße 7, 81245 München

Original premises, Theresienstraße 90, 80333 München

is competent under the terms of DIN EN ISO/IEC 17025:2005 to carry out tests in the following fields:

**Mechanical-technological investigations of steels (reinforcing steel, pre-stressing steel);
Determination of the geometry, strength and deformation characteristics, fatigue behaviour, corrosion resistance, relaxation behaviour, bonding behaviour and welding suitability, as well as investigations of special questions relating to reinforcing steel, pre-stressing steel and reinforcing steel connecting elements, tendons, cable stays, fully closed cables and fibre-reinforced plastics. Mechanical-technological and physical testing of mineral-based building materials, such as cement, mortar (injection mortar, plaster and masonry mortar), concrete (fresh and hardened), cellular and lightweight aggregate concrete, steel fibre concrete, gunned concrete and concrete in buildings, concrete masonry units and masonry**

Testing of adhesive materials for wood construction elements for the building products: timber, glued solid wood materials (glued laminated timber, glued solid timber, cross-laminated timber, finger jointed solid wood), wooden materials, pre-fabricated glued and mechanically joined wooden and wood-based material panels, trussed girders, composite components, load-bearing floorings; of construction kits: construction kits for wood frame construction, modular design

Testing of sealing sheets, including the determination of watertightness, water permeability, and resistance to water permeation, and testing of waterproofing, such as polymer-enhanced bitumen thick coating and waterproofing products impermeable to water in combination with ceramic tiles and floor paving

Testing of building products within the scope of the Directive (EU) no. 305/2011 for the definition of harmonised conditions for the marketing of construction products (Construction Product Regulation)

The accreditation certificate shall only apply in connection with the notice of accreditation of 17.11.2016 with the accreditation number D-PL-14063-03 and is valid until 16.11.2021. It comprises the cover sheet, the reverse side of the cover sheet and the following annex with a total of 18 pages.

Registration number of the certificate: **D-PL-14063-03-00**

Berlin,
17.11.2016

Dr. Heike Manke
Head of Division

Translation issued:
11.10.2017


Head of Division

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-14063-03-00 according to DIN EN ISO/IEC 17025:2005

Period of validity: 17.11.2016 to 16.11.2021 Date of issue: 11.10.2017

Holder of certificate:

**Technische Universität München – Materialprüfungsamt für das Bauwesen
Arcisstraße 21, 80333 München**

At the sites:

**Pasing, Baumbachstraße 7, 81245 München (P)
Original premises, Theresienstraße 90, 80333 München (S)**

Testing in the fields:

**Mechanical-technological investigations of steels (reinforcing steel, pre-stressing steel);
Determination of the geometry, strength and deformation characteristics, fatigue behaviour,
corrosion resistance, relaxation behaviour, bonding behaviour and welding suitability, as well
as investigations of special questions relating to reinforcing steel, pre-stressing steel and
reinforcing steel connecting elements, tendons, cable stays, fully closed cables and fibre-
reinforced plastics**

**Mechanical-technological and physical testing of mineral-based building materials, such as
cement, mortar (injection mortar, plaster and masonry mortar), concrete (fresh and hardened),
cellular and lightweight aggregate concrete, steel fibre concrete, gunned concrete and concrete
in buildings, concrete masonry units and masonry**

**Testing of adhesive materials for wood construction elements for the building products: timber,
glued solid wood materials (glued laminated timber, glued solid timber, cross-laminated timber,
finger jointed solid wood), wooden materials, pre-fabricated glued and mechanically joined
wooden and wood-based material panels, trussed girders, composite components, load-bearing
floorings; of construction kits: construction kits for wood frame construction, modular design**

Testing of sealing sheets, including the determination of watertightness, water permeability, and resistance to water permeation, and testing of waterproofing, such as polymer-enhanced bitumen thick coating and waterproofing products impermeable to water in combination with ceramic tiles and floor paving

Testing of building products within the scope of the Directive (EU) no. 305/2011 for the definition of harmonised conditions for the marketing of construction products (Construction Product Regulation)

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.

Abbreviations used: see last page

1 Mechanical-technological investigations of steels (reinforcing steel, pre-stressing steel), tendons, cables and fibre-reinforced plastics

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| DIN EN ISO 6892-1 2009-12 | Metallic materials - Tensile testing - Part 1: Method of test at room temperature, Method B | P |
| DIN EN ISO 15630-1 2011-02 | Steel for the reinforcement and prestressing of concrete - Test methods - Part 1: Reinforcing bars, wire rod and wire | P |
| DIN EN ISO 15630-2 2011-02 | Steel for the reinforcement and prestressing of concrete - Test methods - Part 2: Welded fabric | P |
| DIN EN ISO 15630-3 2011-02 | Steel for the reinforcement and prestressing of concrete - Test methods - Part 3: Prestressing steel | P |
| DIN ISO 7801 2008-10 | Metallic Materials - Wire - Reverse bend test | P |
| ASTM A 370-14 2014 -05 | Standard Test Methods and Definitions for Mechanical Testing of Steel Products | P |
| ASTM E 328-13 2013-01 | Standard Test Methods for Stress Relaxation for Materials and Structures - A: Method for Conducting Stress Relaxation Tension Tests | P |

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| ASTM A 416/A 416M-15 2015-01 | Standard Specification for Steel Strand - Uncoated Seven-Wire for Prestressed Concrete | P |
| ASTM A 1032-15 2015-01 | Standard Test Method for Hydrogen Embrittlement Resistance for Steel Wire hard Drawn Used for Prestressing Concrete Pipe | P |
| DIN EN 124-1 2015-09 | Gully tops and manhole tops for vehicular and pedestrian areas - Part 1: Definitions, classification, general principles of design, performance requirements and test methods | |
| DIN EN 124-2 2015-09 | Gully tops and manhole tops for vehicular and pedestrian areas - Part 2: Gully tops and manhole tops made of cast iron | |

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| ETAG 013 2002-06 | <p>Guideline for European technical approval of post-tensioning kits for prestressing of structures</p> <p>Annex B.1.1 Static load test</p> <p>Annex B.1.2 Cryogenic static load test</p> <p>Annex B.2.1 Fatigue test: I – Mechanical anchorage</p> <p>Annex B.2.1 Fatigue test: II – Bond anchorage</p> <p>Annex B.3.1 Load transfer test: I – Mechanical anchorage</p> <p>Annex B.3.1 Load transfer test: II – Bond anchorage</p> <p>Annex B.4 Test for friction losses in anchorages</p> <p>Annex B.5.1 Deviator static load test</p> <p>Annex B.5.2 Deviated tendon test</p> <p>Annex B.6.1 Assembly/Installation/ Stressing test</p> <p>Annex B.6.2 Duct filling test</p> <p>Annex B.6.3 Tendon replacement test</p> <p>Annex B.6.4 Leak tightness test</p> <p>Annex B.6.5 Electrical resistance test</p> <p>Annex C.1.3.2.1 Impact resistance test</p> <p>Annex C.1.3.2.2 Friction test</p> <p>Annex C.1.3.2.3 Squeezing resistance test</p> <p>Annex C.1.3.2.4 Leak tightness test</p> <p>Annex C.4.3.3.2.1 Inclined tube test</p> <p>Annex C.4.3.3.2.2 Sedimentation test</p> <p>Annex C.4.3.3.2.3 Wick-induced test</p> <p>Annex E.3 Single tensile element test</p> | S |
| DIN EN 10002-1 2001-12 | Metallic materials - Tensile testing - Part 1: Method of testing at ambient temperature | S |
| DIN EN ISO 6892-1 2009-12 | Metallic materials - Tensile testing - Part 1: Method of test at room temperature | S |
| DIN EN ISO 15630-1 2011-02 | <p>Steel for the reinforcement and prestressing of concrete - Test methods - Part 1: Reinforcing bars, wire rod and wire</p> <p>Section 5 Tensile test</p> <p>Section 8 Axial vibration fatigue test</p> | S |
| DIN EN ISO 15630-2 2011-02 | <p>Steel for the reinforcement and prestressing of concrete - Test methods - Part 2: Welded fabric</p> <p>Section 5 Tensile test</p> <p>Section 8 Axial vibration fatigue test</p> | S |

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| DIN EN ISO 15630-3 2011-02 | Steel for the reinforcement and prestressing of concrete - Test methods - Part 3: Prestressing steel Section 5 Tensile test Section 9 Axial vibration fatigue test | S |
| TL cable transport gazette 1994 issue | TL cable transport gazette TL cables – Technical conditions of sale and delivery for fully closed cables, Federal Ministry of Transport and Digital Infrastructure, Road Works department, transport gazette document no . B 5229 Section 3.1.2 Modulus of elasticity in the tensile test, in conjunction with Annex 2 Section 3.1.5 Cyclic loading test, in conjunction with Annex 9 Section 5.4.1.3 Tensile test with strain measurement | S |
| FIB CEB-FIB 2005-01 | FIB CEB-FIB Acceptance of stay cable systems using prestressing steels Section 6.2.1 Anchorage fatigue and tensile testing Section 6.2.2 Saddle fatigue and tensile testing Section 6.2.3 Leak tightness testing | S |
| Setra – Cable Stays 2002-06 | Setra – Cable Stays – Recommendations of French Interministerial Commission on Prestressing Section 11.2 Mechanical qualification of cable stays Section 11.3 Qualification of Cable-Stay water tightness | S |
| PTI Recommendations for Stay Cable Design 2012-05 | PTI Recommendations for Stay Cable Design, Testing and Installation, Sixth Edition Section 4.1.6 Qualification of anchorage assembly Section 4.2 Acceptance testing of stay cables | S |
| DIN EN ISO 527-5 2010-01 | Plastics - Determination of tensile properties - Part 5: Test conditions for unidirectional fibre-reinforced plastic composites | S |
| DIN EN 2561 1995-11 | Aerospace series - Carbon fibre reinforced plastics - Unidirectional laminates - Tensile test parallel to the fibre direction | S |
| DIN EN ISO 6506-1 2006-03 | Metallic materials - Brinell hardness test - Part 1: Test method | S |

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| DIN EN ISO 6507-1 2006-03 | Metallic materials - Vickers hardness test - Part 1: Test method |
| DIN EN ISO 6508-1 2016-12 | Metallic materials - Rockwell hardness test - Part 1: Test method |
| AASHTO LRFD Bridge Construction Specifications 2010 | AASHTO LRFD Bridge Construction Specifications nur 10.3.2.3 Special Anchorage Device Acceptance Test |

2 Mechanical-technological and physical testing of cement, mortar, concrete, concrete masonry units and masonry

2.1 Testing of cement and mortar

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| DIN EN 196-1 2005-05 | Methods of testing cement - Part 1: Determination of strength | S |
| DIN EN 196-3 2009-02 | Methods of testing cement - Part 3: Determination of setting times and soundness | S |
| DIN EN 196-6 2010-05 | Methods of testing cement - Part 6: Determination of fineness | S |
| DIN EN 196-7 2008-02 | Methods of testing cement - Part 7: Methods of taking and preparing samples of cement | S |
| DIN EN 445 2008-01 | Grout for prestressing tendons - Test methods Section 4.2 Sieve testing Section 4.3 Determination of fluidity Section 4.5 Sedimentation test with vertical tube (wick sedimentation test) Section 4.6 Determination of compressive strength Section 4.7 Determination of density | S |
| DIN EN 1015-2 2007-05 | Methods of test for mortar for masonry - Part 2: Bulk sampling of mortars and preparation of test mortars | S |
| DIN EN 1015-3 2007-05 | Methods of test for mortar for masonry - Part 3: Determination of consistence of fresh mortar (by flow table) | S |

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| DIN EN 1015-6 2007-05 | Methods of test for mortar for masonry - Part 6: Determination of bulk density of fresh mortar | S |
| DIN EN 1015-7 1998-12 | Methods of test for mortar for masonry - Part 7: Determination of air content of fresh mortar | S |
| DIN EN 1015-10 2007-05 | Methods of test for mortar for masonry - Part 10: Determination of dry bulk density of hardened mortar | S |
| DIN EN 1015-11 2007-05 | Methods of test for mortar for masonry - Part 11: Determination of flexural and compressive strength of hardened mortar | S |
| DIN EN 1015-18 2003-03 | Methods of test for mortar for masonry - Part 18: Determination of water absorption coefficient due to capillary action of hardened mortar | S |

2.2 Testing of fresh and hardened concrete, cellular and lightweight aggregate concrete, steel fibre concrete, gunned concrete and concrete in buildings

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| DIN EN 12350-1 2009-08 | Testing fresh concrete - Part 1: Sampling | S |
| DIN EN 12350-2 2009-08 | Testing fresh concrete - Part 2: Slump-test | S |
| DIN EN 12350-4 2009-08 | Testing fresh concrete - Part 4: Degree of compactability | S |
| DIN EN 12350-5 2009-08 | Testing fresh concrete - Part 5: Flow table test | S |
| DIN EN 12350-6 2011-03 | Testing fresh concrete - Part 6: Density | S |
| DIN EN 12350-7 2009-08 | Testing fresh concrete - Part 7: Air content - Pressure methods | S |
| DIN EN 12390-1 2012-12 | Testing hardened concrete - Part 1: Shape, dimensions and other requirements for specimens and moulds | S |

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| DIN EN 12390-2 2009-08 Corrigendum 1 2012-02 | Testing hardened concrete - Part 2: Making and curing specimens for strength tests | S |
| DIN EN 12390-3 2009-07 Corrigendum 1 2011-11 | Testing hardened concrete - Part 3: Compressive strength of test specimens | S |
| DIN EN 12390-5 2009-07 | Testing hardened concrete - Part 5: Flexural strength of test specimens | S |
| DIN EN 12390-6 2010-09 | Testing hardened concrete - Part 6: Tensile splitting strength of test specimens | S |
| DIN EN 12390-7 2009-07 | Testing hardened concrete - Part 7: Density of hardened concrete | S |
| DIN EN 12390-8 2009-07 | Testing hardened concrete - Part 8: Depth of penetration of water under pressure | S |
| DIN EN 12390-13 2014-06 | Testing hardened concrete - Part 13: Determination of secant modulus of elasticity in Compression | S |
| DIN EN 12504-1 2009-07 | Testing concrete in structures - Part 1: Cored specimens - Taking, examining and testing in compression | S |
| DIN EN 12504-2 2012-12 | Testing concrete in structures - Part 2: Non-destructive testing - Determination of rebound number | S |
| DIN 1048-5 1991-06 | Testing concrete; testing of hardened concrete (specimens prepared in mould) Section 3.5 Modulus of elasticity Section 6.2 Test specimens for the compressive strength and modulus of elasticity testing Section 7.5 Static modulus of elasticity | S |

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| DAfStb-Volume 422 1991 issue | Deutscher Ausschuss für Stahlbeton – Volume 422 Concrete testing Recommendations and references supplementary to DIN 1048 Section 2.6 Shrinkage | S |
| DAfStb Guidelines Steel fibre concrete 2012-11 | DAfStb Steel fibre concrete – Recommendations and changes to DIN EN 1992-1-1 in conjunction with DIN EN 1992-1-1/NA, DIN EN 206-1 in conjunction with DIN 1045-2, and DIN EN 13670 in conjunction with DIN 1045-3 – Part 1: Dimensioning and design Part 2: Specification, properties, production and conformity Part 3: Suggestions for the design | S |
| DIN EN 1542 1999-07 | Products and systems for the protection and repair of concrete structures - Test methods - Measurement of bond strength by pull-off | S |
| DIN EN 13412 2006-11 | Products and systems for the protection and repair of concrete structures - Test methods - Determination of modulus of elasticity in compression Section 7.5 Method 2 | S |
| DIN EN 14488-4 2008-08 | Testing sprayed concrete - Part 4: Bond strength of cores by direct tension | S |
| DIN EN 680 2006-03 | Determination of the drying shrinkage of autoclaved aerated concrete | S |
| DIN EN 991 1995-09 | Determination of the dimensions of prefabricated reinforced components made of autoclaved aerated concrete or lightweight aggregate concrete with open structure | S |
| DIN EN 992 1995-09 | Determination of the dry density of lightweight aggregate concrete with open structure | S |
| DIN EN 1352 1997-02 | Determination of static modulus of elasticity under compression of autoclaved aerated concrete or lightweight aggregate concrete with open structure | S |

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| DIN EN 1354 2005-09 | Determination of compressive strength of lightweight aggregate concrete with open structure | S |
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2.3 Testing of masonry units and masonry

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| DIN EN 772-1 2011-07 | Methods of test for masonry units - Part 1: Determination of compressive strength | S |
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| DIN EN 772-3 1998-10 | Methods of test for masonry units - Part 3: Determination of net volume and percentage of voids of clay masonry units by hydrostatic weighing | S |
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| DIN EN 772-10 1999-04 | Methods of test for masonry units - Part 10: Determination of moisture content of calcium silicate and autoclaved aerated concrete units | S |
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| DIN EN 772-13 2000-09 | Methods of test for masonry units - Part 13: Determination of net and gross dry density of masonry units (except for natural stone) | S |
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| DIN EN 772-16 2011-07 | Methods of test for masonry units - Part 16: Determination of dimensions | S |
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| DIN EN 772-20 2005-05 | Methods of test for masonry units - Part 20: Determination of flatness of faces of masonry units | S |
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| DIN EN 772-21 2011-07 | Methods of test for masonry units - Part 21: Determination of water absorption of clay and calcium silicate masonry units by cold water absorption | S |
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2.4 Other

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| DIN EN 822 2013-05 | Thermal insulating products for building applications - Determination of length and width | S |
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| DIN EN 826 2013-05 | Thermal insulating products for building applications - Determination of compression behaviour | S |
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3 Testing of building products for timber construction, including adhesive materials for load-bearing timber structures

3.1 Adhesive materials for timber structures

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| DIN EN 301 2013-12 | Adhesives, phenolic and aminoplastic, for load-bearing timber structures - Classification and performance requirements | S |
| DIN EN 302-1 2013-06 | Adhesives for load-bearing timber structures - Test methods - Part 1: Determination of bond strength in longitudinal tensile shear strength | S |
| E DIN EN 302-2 2013-06 | Adhesives for load-bearing timber structures - Test methods - Part 2: Determination of resistance to delamination | S |
| DIN EN 302-3 2013-06 | Adhesives for load-bearing timber structures - Test methods - Part 3: Determination of the effect of acid damage to wood fibres by temperature and humidity cycling on the transverse tensile strength | S |
| DIN EN 302-4 2013-06 | Adhesives for load-bearing timber structures - Test methods - Part 4: Determination of the effects of wood shrinkage on the shear strength | S |
| E DIN EN 302-6 2013-06 | Adhesives for load-bearing timber structures - Test methods - Part 6: Determination of the minimum pressing time under referenced conditions | S |
| DIN EN 302-8 2015-06 | Adhesives for load-bearing timber structures - Test methods - Part 8: Static load test of multiple bond line specimens in compression shear | S |
| DIN EN 391 2002-04 | Glued laminated timber – Delamination of adhesive joints (standard withdrawn) | S |
| DIN EN 12092 2002-02 | Adhesives - Determination of viscosity only 6.2 Rotational viscometer | S |

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| DIN EN 15416-2 2008-03 | Adhesives for load bearing timber structures other than phenolic and aminoplastic - Test methods - Part 2: Static load test of multiple bondline specimens in compression shear | S |
| DIN EN 15416-3 2010-06 | Adhesives for load bearing timber structures other than phenolic and aminoplastic - Test methods - Part 3: Creep deformation test at cyclic climate conditions with specimens loaded in bending shear | S |
| DIN EN 15416-4 2006-10 | Adhesives for load bearing timber structures other than phenolic and aminoplastic - Test methods - Part 4: Determination of open assembly time for one component polyurethane adhesives | S |
| DIN EN 15416-5 2006-10 | Adhesives for load bearing timber structures other than phenolic and aminoplastic - Test methods - Part 5: Determination of conventional pressing time | S |
| DIN EN 15425 2008-06 | Adhesives - One component polyurethane for load bearing timber structures - Classification and performance requirements | S |
| E DIN EN 15425 2015-06 | Adhesives - One component polyurethane (PUR) for load-bearing timber structures - Classification and performance requirements | |
| E DIN EN 16254 2014-02 | Adhesives - Emulsion polymerized isocyanate (EPI) for load-bearing timber structures - Classification and performance requirements | S |

3.2 Structural timber, glued solid wood materials

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| DIN EN 384 2010-09 | Structural timber - Determination of characteristic values of mechanical properties and density | S |
| DIN EN 385 2007-11 | Finger jointed structural timber - Performance requirements and minimum production requirements <i>(standard withdrawn)</i> | S |
| DIN EN 386 2002-04 | Glued laminated timber - Performance requirements and minimum production requirements <i>(standard withdrawn)</i> | S |
| DIN EN 387 2002-04 | Glued laminated timber - Large finger joints - Performance requirements and minimum production requirements <i>(standard withdrawn)</i> | S |
| DIN EN 392 1996-04 | Glued laminated timber - Shear test glue lines <i>(standard withdrawn)</i> | S |
| DIN EN 408 2012-10 | Timber structures - Structural timber and glued laminated timber - Determination of some physical and mechanical properties | S |
| DIN EN 1194 1999-05 | Timber structures - Glued laminated timber - Strength classes and determination of characteristic values <i>(standard withdrawn)</i> | S |
| DIN EN 13183-1 2002-07 Corrigendum1 2003-12 | Moisture content of a piece of sawn timber - Part 1: Determination by oven dry method | S |
| DIN EN 13183-2 2002-07 Corrigendum 1 2003-12 | Moisture content of a piece of sawn timber - Part 2: Estimation by electrical resistance method | S |

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| DIN EN 14080 2005-09 | <p>Timber structures - Glued laminated timber - Requirements</p> <p>Annex A Determination of characteristic values (5-percentile) on the basis of test results and assumption criteria for samples</p> <p>Annex C Requirements for moisture cross-linked single component polyurethane adhesives for the production of glued laminated timber with glue joints having a maximum thickness of 0.5 mm and the corresponding test methods</p> <p>Annex D Determination of the performance characteristics of adhesives (<i>standard withdrawn</i>)</p> | S |
| DIN EN 14080 2013-09 | <p>Timber structures - Glued laminated timber and glued solid timber - Requirements</p> <p>Annex B.2 Sustained loading test with cyclic climatic conditions on test specimens normal to the glue joint for single component polyurethane adhesives and emulsion-polymer isocyanate adhesives</p> <p>Annex B.3 Delamination test of finger jointing in slats</p> <p>Annex C Delamination test of glue joints</p> <p>Annex D Glue joint shear testing</p> <p>Annex E Testing of laminates with or without finger jointing (including compliance criteria)</p> <p>Annex F Bending tests for glued laminated timber, glued solid timber and glued laminated timber with large finger joints (including compliance criteria)</p> <p>Annex G Measurement of moisture</p> | S |
| E DIN EN 16351 2011-12 | <p>Timber structures - Cross laminated timber – Requirements</p> <p>Annex B.3 Delamination test of finger jointing in slats</p> | |

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| DIN EN 16351 2015-12 | Timber structures - Cross laminated timber – Requirements Annex B.2 Long-term sustained load test at cyclic climate conditions with specimens loaded perpendicular to the glue line Annex C Delamination test of glue lines between layers Annex D Shear tests Annex E Tests with laminations with or without finger joints Annex F Determination of strength, stiffness and density properties of cross laminated timber Annex G Measurement of moisture content Annex H Separation tests with finger joints in laminations produced with contact-free application of adhesive | S |
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3.3 Wooden materials

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| DIN EN 314-1 2005-03 | Plywood - Bonding quality - Part 1: Test methods | S |
| DIN EN 314-2 1993-08 | Plywood; bonding quality; part 2: requirements | S |
| DIN EN 322 1993-08 | Wood-based panels; determination of moisture content | S |
| DIN EN 789 2005-01 | Timber structures - Test methods - Determination of mechanical properties of wood based panels | S |
| DIN EN 14374 2005-02 | Timber structures - Structural laminated veneer lumber - Requirements Annex B: Method for testing the bonding quality | S |

3.4 Other

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| DIN EN 380 1993-10 | Timber structures; test methods; general principles for static load testing | S |
| DIN EN 594 2011-09 | Timber structures - Test methods - Racking strength and stiffness of timber frame wall panels | S |
| DIN EN 595 1996-07 | Timber structures - Test methods - Test of trusses for the determination of strength and deformation behaviour | S |
| DIN EN 596 1996-07 | Timber structures - Test methods - Soft body impact test of timber framed walls | S |
| DIN EN 1195 1998-06 | Timber structures - Test methods - Performance of structural floor decking | S |
| DIN EN 14358 2007-03 | Timber structures - Calculation of characteristic 5-percentile values and acceptance criteria for a sample | S |
| E DIN EN 14358 2013-09 | Timber structures - Calculation of characteristic 5-percentile and mean values for the purpose of initial type testing and factory production control | S |
| EOTA Technical Report 001 2003-02 | Determination of impact resistance of panels and panel assemblies | S |
| EOTA Technical Report 002 2000-10 | Test methods for light composite wood-based beams and columns | S |

4 Testing of sealings and sealing sheets

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| DIN EN 1928 2000-07 | Flexible sheets for waterproofing - Bitumen, plastic and rubber sheets for roof waterproofing - Determination of watertightness | P |
| DIN EN 1931 2001-03 | Flexible sheets for waterproofing - Bitumen, plastic and rubber sheets for roof waterproofing - Determination of water vapour transmission properties | P |
| DIN EN 13111 2010-11 | Flexible sheets for waterproofing - Underlays for discontinuous roofing and walls - Determination of resistance to water penetration | P |

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| DIN EN 13416 2001-09 | Flexible sheets for waterproofing - Bitumen, plastic and rubber sheets for roof waterproofing - Rules for sampling | P |
| DIN EN 15820 2011-06 | Polymer modified bituminous thick coatings for waterproofing - Determination of watertightness | P |

5 Testing of building products within the scope of the Directive (EU) no. 305/2011 for the definition of harmonised conditions for the marketing of construction products (Construction Product Regulation)

| Decision / Directive of the Commission | System ¹⁾ | Technical specification | Site |
|--|----------------------|--|------|
| 1999/90/EC Sealing sheets | 3 | EN 13859-1:2010 Flexible sheets for waterproofing - Definitions and characteristics of underlays - Part 1: Underlays for discontinuous roofing | P |
| | | EN 13859-2:2010 Flexible sheets for waterproofing - Definitions and characteristics of underlays - Part 2: Underlays for walls | |
| | | EN 13970:2004/A1:2006 Flexible sheets for waterproofing. Bitumen water vapour control layers. Definitions and characteristics | |
| | | EN 13984:2013 Flexible sheets for waterproofing - Plastic and rubber vapour control layers - Definitions and characteristics | |
| | | EN 14909:2012 Flexible sheets for waterproofing - Plastic and rubber damp proof courses - Definitions and characteristics | |

| Decision / Directive of the Commission | System ¹⁾ | Technical specification | Site |
|--|----------------------|---|------|
| 1999/90/EC Sealing sheets | | EN 14967:2006 Flexible sheets for waterproofing - Bitumen damp proof courses - Definitions and characteristics | P |
| | | EN 15814:2011+A2:2014 Polymer modified bituminous thick coatings for waterproofing - Definitions and requirements | |

¹⁾ System for the evaluation and validation of the constancy of performance

The requirements for a testing laboratory in accordance with Article 43 of the Construction Product Regulation are fulfilled.

Without prior approval by the DAkKS German Accreditation Body, the testing laboratory body is permitted to use new revisions of product standards.

Abbreviations used:

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| AASHTO | American Association of State Highway and Transportation Officials |
| ASTM | American Society for Testing and Materials |
| BS | British Standard |
| CEB | Comité Euro-International du Béton (European-International Concrete Committee) |
| DAfStb | Deutscher Ausschuss für Stahlbeton (German Reinforced Concrete Commission) |
| DIN | Deutsches Institut für Normung e. V. (German Standards Institute) |
| E | Entwurf (Draft) |
| EN | Europäische Norm (European standard) |
| ETA | European Technical Approval |
| ETAG | European Technical Approval Guideline |
| EOTA | European Organization for Technical Approvals |
| FIB | fédération internationale du béton (International Concrete Federation) |
| ISO | International Organization for Standardization |
| PTI | Post-Tensioning Institute |
| TL | Technische Lieferbedingungen (Technical Conditions of Sale and Delivery) |