

**The Appendix is an integral part of
Certificate of Accreditation No.: 614/2021 of 19/11/2021**

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

Mendelova univerzita v Brně
Testing Laboratory for Joinery Products and Furniture
K Cihelně 304, Louky, 763 02 Zlín

Testing laboratory working sites:

1. **Testing Laboratory for Joinery Products** K Cihelně 304, Louky, 763 02 Zlín
2. **Testing Laboratory for Furniture** Lesnická 39, 613 00 Brno

The laboratory is qualified to update standards identifying the test procedures.

Updated list of activities provided within the flexible scope of accreditation is available in the laboratory from the Laboratory Manager.

1. Testing Laboratory for Joinery Products

Tests:

Ordinal number¹	Test procedure / method name	Test procedure / method identification²	Tested object
1*	Determination of the moisture content of timber and wood-based panels	ČSN EN 13183-1 ČSN EN 13183-2 ČSN EN 322	STV, solid wood panels and wood-based panels, structural timber
2	Determination of density	ČSN EN 323 ČSN EN 384+A1, cl. 5.3.4 ČSN EN 408+A1, cl. 7	STV, solid wood panels and wood-based panels, structural timber
3*	Determination of the film thickness	ČSN EN ISO 2808, Method 1A, 1C, 4B, 10	Coats and coating systems
4	Determination of the coating layer adhesion	ČSN EN ISO 2409 ČSN EN 14354, Annex F	Coats and coating systems Veneered floorings
5	Determination of abrasion resistance	ČSN EN 438-2+A1, chap. 10 a 11 ČSN 91 0276 ČSN EN 15185	High-pressure decorative laminates (HPL), sheets based on thermosetting resins
6	Determination of impact resistance	ČSN EN 438-2+A1, chap. 20 a 21	High-pressure decorative laminates (HPL), sheets based on thermosetting resins
7	Determination of tensile shear strength of lap joints	ČSN EN 205 ČSN EN 302-1	Adhesives
8	Determination of the moisture content of timber and wood based panels	ČSN EN 324-1 ČSN EN 324-2 ČSN EN 325	Solid wood panels and wood-based panels
9	Determination of modulus of elasticity in bending and of bending strength	ČSN EN 310 ČSN EN 14755, Annex A.1	Solid wood panels and wood-based panels
10	Determination of the surface soundness	ČSN EN 311	Solid wood panels and wood-based panels

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
11	Bonding quality	ČSN EN 314-1 ČSN EN 13354 ČSN EN 14279+A1, Annex A	Solid wood panels and wood-based panels
12	Determination of swelling in thickness	ČSN EN 317 ČSN EN 14755, Annex A.3	Solid wood panels and wood-based panels
13	Determination of dimensional variation	ČSN EN 318	Solid wood panels and wood-based panels
14	Determination of tensile strength perpendicular to the plane of the board	ČSN EN 319 ČSN EN 14755, Annex A.2	Solid wood panels and wood-based panels
15	Determination of resistance under cyclic test conditions	ČSN EN 321	Solid wood panels and wood-based panels
16	Determination of resistance to humidity	ČSN EN 1087-1	Solid wood panels and wood-based panels
17	Determination of withdrawal capacity of fasteners	ČSN EN 13446	Wood-based panels
18	Determination of characteristic of melamine faced boards	ČSN EN 14323, chap. 5.1-5.4, 5.6-5.10, 5.12-5.13	Wood-based panels
19*	Determination of qualitative parameters for visual classification by surface appearance	ČSN EN 635-5	Solid wood panels and wood-based panels
20	Determination of dimensions, squareness, straightness and flatness	ČSN EN 13329+A1, Annex A ČSN EN 14354, Annex A ČSN EN ISO 20326 ČSN EN ISO 24342 ČSN EN ISO 24346	Floorings
21	Determination of openings and height difference between elements	ČSN EN 13329+A1, Annex B ČSN EN 14354, Annex B ČSN EN ISO 20326	Floorings
22	Determination of dimensional variation	ČSN EN 13329+A1, Annex C ČSN EN 1910 ČSN EN ISO 20326	Floorings, claddings
23	Determination of the surface soundness	ČSN EN 13329+A1, Annex D	Floorings

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24	Determination of abrasion resistance	ČSN EN 13329+A1, Annex E ČSN EN 14354, Annex E	Floorings
25	Determination of impact resistance	ČSN EN 13329+A1, Annex H	Floorings
26	Determination of swelling in thickness	ISO 24336 ČSN EN 13329+A1:2009, Annex G	Floorings
27	Determination of geometrical properties	ČSN EN 13647	Floorings
28	Determination of resistance to chemical agents (resistance to staining)	ČSN EN 438-2+A1, chap. 26 ČSN EN 13442	Floorings
29	Determination of resistance to indentation (Brinell)	ČSN EN 1534	Wood and parquet floorings
30	Determination of elasticity of varnish	ČSN EN 14354, Annex C	Veneered floorings
31*	Determination of skid resistance and determination of slip resistance of pedestrian surfaces	ČSN P CEN/TS 15676 ČSN EN 13036-4, except cl. 10 ČSN P CEN/TS 16165, Annex C	Wood-based floorings, bridge boards, elastic, textile and laminated floorings for sport activities, pedestrian surfaces (except surfaces for sport activities and road surfaces)
32	Determination of the surface resistance to water	ISO 24334 ČSN EN ISO 10582, Annex D ČSN EN ISO 20326, Annex D	Floorings and resilient floor coverings
33	Determination of dimensions and geometrical properties	PP 08 (ČSN EN 1026) ČSN EN 12608-1, cl. 6.2 a 6.3	Windows, doors and materials for their production
34	Testing of the air permeability	ČSN EN 1026	Windows, doors, frames
35	Testing of the watertightness	ČSN EN 1027	Windows, doors, frames
36	Testing of the resistance to wind load	ČSN EN 12211	Windows, doors, frames and glazing systems
37	Testing of the mechanical properties of windows (racking, static torsion)	ČSN EN 14608 ČSN EN 14609	Windows and glazing systems

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38	Testing of the geometrical properties of doors	ČSN 74 6488-1 ČSN 74 6488-2 ČSN EN 951	Doors, frames
39	Determination of the flatness of door leaves	ČSN EN 952	Doors
40	Determination of the resistance to static load for door (vertical load, static torsion)	ČSN EN 947 ČSN EN 948	Doors, frames
41	Determination of the resistance to soft and heavy body impact for doors	ČSN EN 949	Doors
42	Determination of the resistance to hard body impact	ČSN EN 950	Doors
43	Determination of strength of welded corners and T-joints of main profiles	ČSN EN 514	Plastic welded corners and T-joints
44	Determination of impact resistance	ČSN EN 13049	Windows, doors and glazing systems
45	Determination of operating forces	ČSN EN 12046-1 ČSN EN 12046-2	Windows and doors
46	Unoccupied		
47*	Determination of qualitative parameters for visual classification according to strength	ČSN 73 2824-1, except chap. 7	Structural timber
48*	Check of dimensions of structural components (accuracy)	ČSN 73 0212-5	Structural timber
49*	Measurement of features	ČSN EN 1310:1999 ČSN EN 1309-3	Sawn timber
50	Testing of finger jointed timber blanks and semi-finished profiles for non-structural uses	ČSN P CEN/TS 13307-2, p. 9.1-9.4, 10.1-10.4 ift-Richtlinie HO-10/1, chap. 4 PP 07 (ČSN EN 14220, ČSN EN 942, ČSN EN 322, ČSN EN 323) PP 11 (ČSN EN 13307-1)	Timber blanks and semi-finished profiles for non-structural uses

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
51	Determination of water vapour transmission properties	ČSN EN ISO 12572, Annex A, D ČSN EN 12086	Construction materials and products
52	Pull-through resistance of timber fasteners	ČSN EN 1383	Fasteners
53*	Determination of air permeability of buildings	ČSN EN ISO 9972	Building and other closed objects
54	Non-combustibility test	ČSN EN ISO 1182	Construction products
55	Determination of the gross heat of combustion (calorific value)	ČSN EN ISO 1716	Flammable liquids and solids
56	Single-flame source test – ignitability of building products subjected to direct impingement of flame	ČSN EN ISO 11925-2	Construction products and materials based on wood, plastic and textiles

¹ An asterisk at the ordinal number identifies the tests, which the Laboratory is qualified to carry out outside the permanent laboratory premises.

² For dated documents identifying test procedures, only these specific procedures are used, for undated documents identifying test procedures, the latest edition of that procedure (including any changes) shall be used.

Annex:

Flexible scope of accreditation

Ordinal numbers of tests
1 - 56

The laboratory is allowed to modify the test methods listed in the Annex within the specified scope of accreditation provided the measuring principle is observed. The flexible approach to the scope of accreditation cannot be applied to the tests not included in the Annex.

Explanations:

PP Working procedure of laboratory
ČSN P CEN/TS Czech technical preliminary standard adopting the CEN technical specification
CEN European Committee for Standardization

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2. Testing Laboratory for Furniture

Tests:

Ordinal number¹	Test procedure / method name	Test procedure / method identification²	Tested object
1	Impact test	ČSN EN 1728, cl. 6.24 ČSN EN 1730, cl. 6.6 ČSN EN 747-2, cl. 5.4.4 ČSN EN 1725, cl. 7.4	Seating furniture, table furniture, bunk beds, beds and mattresses
2-3	Unoccupied		
4	Durability test	ČSN EN 1725, cl. 7.3 ČSN EN 747-2, cl. 5.4.5 ČSN EN 1730, cl. 6.5 ČSN EN 527-3, cl. 5.5	Beds and mattresses, bunk beds, table furniture and office tables
5	Tread impact test	ČSN EN 747-2, cl. 5.6.4	Bunk beds
6	Test of strength (durability) of frame and fittings	ČSN EN 716-2, cl. 5.8.2	Cribs
7	Horizontal fatigue test	ČSN EN 1730, cl. 6.4 ČSN EN 527-3 cl. 5.4	Table furniture
8	Door strength test	ČSN EN 14749, cl. 6.3.4	Storage furniture
9	Stability test	ČSN EN 14749, cl. 6.6 ČSN EN 1730, cl. 6.7 ČSN EN 527-3, cl. 5.1 ČSN EN 1728 PP 12 (ČSN EN 1022, ČSN EN 1335-3)	Storage furniture, seating and lying furniture, table furniture
10	Load/deflection curve test	ČSN EN 1957, cl. 7.3	Beds and mattresses
11	Test of load bearing capacity of suspended storage units by overload	PP 03 (ČSN EN 14749)	Storage furniture
12	Determination of the resistance of melt adhesive to gradual temperature increase	PP 02 (ON 91 0280:1980)	Furniture surface finish
13*	Testing of appearance properties	ČSN 91 0272	Furniture surface finish
14	Determination of surface resistance to cold liquids	ČSN EN 12720+A1	Furniture surface finish

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
15	Determination of surface resistance to abrasion: - by film weight loss - by the abrasion resistance index and abrasion number	ČSN 91 0276	Furniture surface finish
16	Unoccupied		
17	Determination of surface resistance to dry heat	ČSN EN 12722	Furniture surface finish
18*	Determination of the adhesion of furniture coatings – Cross-cut test	ČSN EN ISO 2409	Furniture surface finish
19	Assessment of the effect of light exposure	ČSN 91 0282, cl. 2 ČSN EN 15187	Furniture surface finish
20	Unoccupied		
21	Determination of resistance to temperature changes	ČSN 67 3098	Surface finish
22	Resistance to water vapour	PP 04 (ČSN EN 438-2)	Surface finish
23	Natural weathering test	ČSN EN 927-3	Coating materials and coating systems
24	Assessment of the liquid water permeability	ČSN EN 927-5	Coating materials and coating systems
25	Determination of viscosity with a rotary viscometer	ČSN EN 12092, cl. 6.2	Adhesives, sealants
26	Determining the bonding quality by shear testing	ČSN EN 314-1, cl. 6.1	Veneer plywood – Bond quality
27	Determination of the emission of volatile organic compounds (VOC) by GC/MS method – test chamber method and TVOC _{MS} (TSVOC _{MS}) by calculation from measured values ³	PP 05 (ČSN EN ISO 16000-9, ČSN EN 717-1) ČSN EN 16516	Furniture surface finish, solid wood and wood-based joinery products, wooden and laminated floorings, solid wood claddings, construction products
28	Quantitative determination of pentachlorophenol by GC/MS method	PP 06 (CEN/TR 14823)	Wooden and laminated floorings, solid wood claddings, structural timber, solid wood panels and wood-based panels
29	Determination of modulus of elasticity in bending and of bending strength	ČSN EN 310 ČSN EN 14755, Annex A.1	Solid wood panels and wood-based panels

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- ¹ an asterisk at the ordinal number identifies the tests, which the Laboratory is qualified to carry out outside the permanent laboratory premises
- ² for dated documents identifying test procedures, only these specific procedures are used, for undated documents identifying test procedures, the latest edition of that procedure (including any changes) shall be used
- ³ List of determined substances for the test with Or. No. 27:
Ethyl acetate, Benzene, 1-Methoxy-2-Propanol, Pentanal, Trichlorethylene, Toluene, Hexanal, Tetrachlorethylene, n-Butyl acetate, Ethylbenzene, m,p-Xylene, Styrene, o-Xylene, Butoxy-Ethanol, α -Pinen, Camphen, 3-Ethyl-Toluene, 4-Ethyl-Toluene, 1,3,5-Trimethyl-Benzene, β -Pinen, 2-Ethyl Toluene, Myrcene, 1,2,4-Trimethyl-Benzene, α -Phellandrene, 3- δ -Carene, 1,4-dichlorbenzene, 1,2,3-Trimethyl-Benzene, Limonene, γ -Terpinene, Bornyl Acetate, Formaldehyde, 1,3-Butadiene, Acetone, Calculation of TVOC_{MS}.

Annex:

Flexible scope of accreditation

Ordinal numbers of tests
1 - 29

The laboratory is allowed to modify the test methods listed in the Annex within the specified scope of accreditation provided the measuring principle is observed. The flexible approach to the scope of accreditation cannot be applied to the tests not included in the Annex.

Explanations:

ON	Branch standard
PP	Working procedure of laboratory
CEN/TR	CEN Technical report
GC/MS	Gas Chromatography with MSD detector (Mass Selective Detector)
TVOC _{MS}	Total volatile organic compound content
TSVOC _{MS}	Total partially volatile organic compounds content

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Accreditation for purposes of authorization/notification:

Ordinal number ¹	Product/Product group name	Conformity assessment procedure/module/ AVCP system	Basic requirements/ harmonised technical specifications: product specifications/ characteristics/ technical standards ²
1*	Wood-based panels (2/2) Unfaced, overlaid and veneered or coated wood-based panels For non-structural elements in internal or external applications (according to Annex III of CD 97/462/EC)	Regulation No. 305/2011 System 3	ČSN EN 13986+A1
2*	Roof windows (1/6) For uses subject to resistance to fire regulations (e.g. fire compartmentation) (according to Annex III of CD 98/436/EC)	Regulation No. 305/2011 System 3	ČSN EN 14351-1+A2
3*	Roof windows (2/6) For uses subject to reaction to fire regulations (according to Annex III of CD 98/436/EC)	Regulation No. 305/2011 System 3	ČSN EN 14351-1+A2
4*	Roof windows (3/6) For uses subject to external fire performance regulations (according to Annex III of CD 98/436/EC)	Regulation No. 305/2011 System 3	ČSN EN 14351-1+A2
5*	Roof windows (4/6) For uses contributing to stiffening the roof structure (according to Annex III of CD 98/436/EC)	Regulation No. 305/2011 System 3	ČSN EN 14351-1+A2
6*	Roof windows (6/6) For uses other than those specified in families (1/6), (2/6), (3/6), (4/6), (5/6) (according to Annex III of CD 98/436/EC)	Regulation No. 305/2011 System 3	ČSN EN 14351-1+A2

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Ordinal number ¹	Product/Product group name	Conformity assessment procedure/module/ AVCP system	Basic requirements/ harmonised technical specifications: product specifications/ characteristics/ technical standards ²
7*	Doors and gates, with or without related hardware (1/1) other declared specific uses and/or uses subject to other specific requirements, in particular noise, energy, tightness and safety-in-use (i.e. NOT for fire/smoke compartmentation, NOT for escape routes) (according to Annex III of CD 1999/93/EC)	Regulation No. 305/2011 System 3	ČSN EN 14351-1+A2
8*	Windows, with or without related hardware (1/1) Any other (according to Annex III of CD 1999/93/EC)	Regulation No. 305/2011 System 3	ČSN EN 14351-1+A2
9*	Rigid flooring products (2/2) A) Components Paving units, tiles, mosaics, parquet, decking of mesh or sheet, floor gratings, rigid laminated floorings, wood based products B) Load bearing systems put on the market as kits Raised access floors, cavity floors For internal uses including enclosed public transport premises (according to Annex III of CD 97/808/EC)	Regulation No. 305/2011 System 3	ČSN EN 14342

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Ordinal number ¹	Product/Product group name	Conformity assessment procedure/module/ AVCP system	Basic requirements/ harmonised technical specifications: product specifications/ characteristics/ technical standards ²
10*	Resilient and textile floorings (2/2) Homogeneous and heterogeneous resilient floor coverings supplied either in tile, sheet or roll form (textile floor covering including tiles; plastic and rubber sheets (aminoplastic thermosetting floorings); linoleum and cork; anti-static sheet; floor loose laid tiles; resilient laminated floorings) For internal uses (according to Annex III of CD 97/808/EC)	Regulation No. 305/2011 System 3	ČSN EN 14041
11*	Internal and external wall and ceiling finishes (3/5) As internal or external finishes in walls or ceilings subject to reaction to fire regulations (according to Annex III of CD 98/437/EC)	Regulation No. 305/2011 System 3	ČSN EN 14915

¹ an asterisk at the ordinal number identifies that the notified laboratory may, within the scope of accreditation, continuously include new/current/revised technical regulations, which are listed in the procedure of conformity assessment against which conformity with the basic requirements is assessed. It is assumed that the product areas, the legislation and the procedure of conformity assessment do not change

² current list of standards/normative documents is available in the laboratory from the Laboratory Manager

Explanations:

regulation regulation of the European Parliament and of the Council (EU)
CD Commission Decision (EU)
AVCP Assessment and Verification of Constancy of Performance