

#### EA MLA Signatory Český institut pro akreditaci, o.p.s. Olšanská 54/3, 130 00 Praha 3

Issues

according to section 16 of Act No. 22/1997 Coll., on technical requirements for products, as amended

# **CERTIFICATE OF ACCREDITATION**

#### No. 217/2023

Výzkumný a vývojový ústav dřevařský, Praha, s.p. with registered office Praha 1, Na Florenci 7-9, č.p. 1685-1686, 111 71 Praha 1, Company Registration No. 00014125

> for the Testing Laboratoy No. **1031** Testing Laboratory for Materials and Products

#### Scope of accreditation:

Testing of wood, products made of wood, windows, doors, floors, adhesives, glued joints, wood-based panels, paints and varnishes for wood and chemical wood preservatives against biotic pest and fire; chemical analyses, testing of air permeability and acoustic properties of buildings; leakage testing of formaldehyde and VOC substances and assessment of the properties of building products to the extent as specified in the appendix to this Certificate.

This Certificate of Accreditation is a proof of Accreditation issued on the basis of assessment of fulfillment of the accreditation criteria in accordance with

#### ČSN EN ISO/IEC 17025:2018

In its activities performed within the scope and for the period of validity of this Certificate, the Conformity Assessment Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the Accredited Body meets the specified accreditation requirements in accordance with the relevant regulations applicable to the activity of an accredited Conformity Assessment Body.

This Certificate of Accreditation replaces, to the full extent, Certificate No.: 622/2021 of 1. 12. 2021, or any administrative acts building upon it.

The Certificate of Accreditation is valid until: 1. 12. 2026

Prague: 3. 5. 2023





Jan Velíšek Director of the Department of Testing and Calibration Laboratories Czech Accreditation Institute

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

Výzkumný a vývojový ústav dřevařský, Praha, s.p. Testing Laboratory for Materials and Products Borská 471, 262 72 Březnice

The laboratory has a flexible scope of accreditation permitted as detailed in the Annex. Updated list of activities provided within the flexible scope of accreditation is available in the laboratory from the Laboratory Manager.

| Ordinal<br>number <sup>1</sup> | Test procedure / method name  | Test procedure /<br>method identification <sup>2</sup> | Tested object                      |
|--------------------------------|---|--|------------------------------------|
| 1                              | Wood quality testing  |  |                                    |
| 1.1*                           | Measurement of dimensions,<br>defects and biological degrade<br>of wood     | ČSN EN 1309-1<br>ČSN EN 1309-2<br>ČSN EN 1309-3        | Round and sawn timber              |
| 1.2*                           | Strength grading of wood  | ČSN 73 2824-1  | Structural timber                  |
| 1.3*                           | Measurement of defects of wood poles  | ČSN EN 14229, cl. 5.5<br>and 6                         | Poles                              |
| 2                              | Testing of technical properties   | of wood  |                                    |
| 2.1                            | Determination of dimensions   |  |                                    |
| 2.1.1*                         | Determination of dimensions   | ČSN 49 1010  | Sawn timber                        |
| 2.1.2*                         | Determination of dimensions   | ČSN EN 13145+A1  | Sleepers                           |
| 2.1.3*                         | Determination of dimensions   | ČSN EN 14229,<br>cl. 5.5 and 6                         | Poles                              |
| 2.1.4*                         | Determination of dimensions   | ČSN EN 324-1<br>ČSN EN 324-2<br>ČSN EN 325             | Wooden panels                      |
| 2.1.5*                         | Determination of dimensions   | ČSN EN 13647   | Floors, coverings                  |
| 2.1.6*                         | Determination of dimensions   | ČSN 73 0212-5, chap. 1-4                               | Building components                |
| 2.2                            | Determination of dimensional va   | ariations  |                                    |
| 2.2.1                          | Determination of dimensional variations                                     | ČSN EN 318   | Wooden panels                      |
| 2.2.2                          | Determination of dimensional variations                                     | ČSN EN 318<br>ČSN EN 1910                              | Wooden panels<br>Floors, coverings |
| 2.3                            | Determination of resistance to axial withdrawal of screws                   | ČSN EN 320   | Wooden panels                      |
| 2.4                            | Determination of the adhesion of surface layers                             | ČSN EN 311   | Wooden panels                      |
| 2.5                            | Determination of the moisture<br>resistance under cyclic test<br>conditions | ČSN EN 321   | Wooden panels                      |
| 2.6                            | Testing of laminate floor<br>coverings                                      | CSN EN43329+A1,<br>Annexes A, B, C, D, E, F            | Floors                             |

Rage 1 of 13

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

#### Výzkumný a vývojový ústav dřevařský, Praha, s.p. Testing Laboratory for Materials and Products Borská 471, 262 72 Březnice

| Ordinal<br>number <sup>1</sup> | Test procedure / method name  | Test procedure / method identification <sup>2</sup>          | Tested object                                 |
|--------------------------------|---|--|---|
| 3                              | Testing of physical properties  |  |   |
| 3.1                            | Determination of moisture   |  |   |
| 3.1.1                          | Determination of moisture   | ČSN EN 13183-1   | Sawn timber                                   |
| 3.1.2                          | Determination of moisture   |  | Wood  |
| 3.1.3                          | Determination of moisture   | ČSN EN 322<br>ISO 16979                                      | Wooden panels                                 |
| 3.1.4                          | Determination of moisture   | ČSN EN 14229, cl. 6.8  | Poles   |
| 3.2                            | Determination of density  |  |   |
| 3.2.1                          | Determination of density  | ČSN 49 0108  | Wood  |
| 3.2.2                          | Determination of density  | ČSN EN 323   | Wooden panels                                 |
| 3.2.3                          | Determination of density  | ČSN EN 14229, cl. 6.8  | Poles   |
| 3.3                            | Determination of swelling   | ČSN EN 317   | Wooden panels                                 |
| 3.4                            | Determination of resistance to humidity                                       | ČSN EN 1087-1  | Wooden panels                                 |
| 4                              | Testing of mechanical propert   | ies  |   |
| 4.1                            | Determination of tensile strength   | ČSN EN 319   | Wooden panels                                 |
| 4.2                            | Determination of the bending str  | ength and bending modulus                                    | of elasticity                                 |
| 4.2.1                          | Determination of the bending<br>strength and bending modulus<br>of elasticity | TP VVÚD 2.13.009<br>(DIN 1052-1/A1,<br>Annex B)              | Finger joint                                  |
| 4.2.2                          | Determination of the bending<br>strength and bending modulus<br>of elasticity | SANS 6122, cl. 5.5<br>ČSN 49 0115<br>ASTM D 4761-19, cl. 6-8 | Wood, timber                                  |
| 4.2.3                          | Determination of the bending<br>strength and bending modulus<br>of elasticity | ČSN EN 310<br>ČSN EN 789,<br>cl. 6, 7, 11                    | Wooden panels                                 |
| 4.2.4                          | Determination of the bending<br>strength and bending modulus<br>of elasticity | ČSN EN 408+A1,<br>cl. 10, 19                                 | Wood<br>Finger joint<br>Glued laminated timbe |
| 4.3                            | Determination of compressive<br>strength perpendicular to the<br>grain        | SANS 6122, cl. 5.10<br>ASTM D 4761-19,c. 10                  | Wood, timber                                  |

-5-

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

| Ordinal<br>1umber <sup>1</sup> | Test procedure / method name   | Test procedure /<br>method identification <sup>2</sup> | Tested object                              |
|--------------------------------|--|--|--|
| 4.4                            | Determination of behaviour of<br>complete floor tile installation<br>systems under dynamic loads | ASTM C 627   | Floors and floor tile installation systems |
| 5                              | Testing of paints, varnishes an  | d coating systems                                      |  |
| 5.1                            | Determination of non-volatile-<br>matter content   | ČSN EN ISO 3251  | Paints, varnishes and coating systems      |
| 5.2                            | Determination of resistance to liquids   | ČSN EN ISO 2812–1<br>ČSN EN ISO 2812–2                 | Paints, varnishes and coating systems      |
| 5.3                            | Surface drying test  | ČSN EN ISO 9117-3                                      | Paints, varnishes and coating systems      |
| 5.4*                           | Adhesion test  | ČSN EN ISO 2409  | Paints, varnishes and coating systems      |
| 5.5                            | Pull-off test for adhesion   | ČSN EN ISO 4624  | Paints, varnishes and coating systems      |
| 5.6                            | Determination of coating thickness   | ČSN EN ISO 2808,<br>procedure 1A, 1C, 4A, 4B           | Paints, varnishes and coating systems      |
| 5.7                            | Natural weathering test  | ČSN EN 927-3   | Paints, varnishes and coating systems      |
| 5.8                            | Liquid water permeability test   | ČSN EN 927-5   | Paints, varnishes and coating systems      |
| 5.9                            | Print-free test  | ČSN EN ISO 9117-6                                      | Paints, varnishes and coating systems      |
| 5.10                           | Accelerated weathering test  | TP VVÚD 3.64.001                                       | Paints, varnishes and coating systems      |
| 6                              | Testing of adhesives and adhes   | ive-bonded elements                                    |  |
| 6.1                            | Determination of solids content  | ČSN EN 827   | Glues, adhesives                           |
| 6.2                            | Determination of strength of   | ČSN EN 302-1   | Glues, adhesives                           |
|                                | bonded joints  | ČSN EN 302-2   | Glues, adhesives                           |
|                                |  | ČSN EN 302-3   | Glues, adhesives                           |
| 1                              |  | ČSN EN 302-4   | Glues, adhesives                           |
|                                |  | ČSN EN 204   | Glues, adhesives                           |
|                                |  | ČSN EN 205   | Glues, adhesives                           |
|                                |  | ČSN EN 13354   | Glues, adhesives                           |
|                                |  | ASTM D 905-08  |  |
| 62                             | Determination - Cal. 1 1'  | ASTM D 2559-12a, cl. 14                                |  |
| 6.3                            | Determination of the bonding du  |  |  |

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

| rmination of the bonding<br>ty<br>rmination of the bonding<br>ty<br>rmination of the bonding<br>ty<br>rmination of the bonding<br>ty<br><b>ing of fire properties</b><br>ified fire resistance test<br><b>ing of wood preservatives a</b><br>ng of effectiveness against<br>ds<br>of resistance to moulds | ČSN 49 0604<br>(p. 67-85)  | , Annexes<br>.011<br>nnex 4)<br>annex B<br>97a<br>.001<br>.1)  | Cross laminated timber<br>Wooden panels<br>Glued laminated timber<br>and finger joints<br>Glued laminated timber<br>Building products<br>Building materials   |
|---|--|--|---|
| ty<br>rmination of the bonding<br>ty<br>rmination of the bonding<br>ty<br><b>ing of fire properties</b><br>ified fire resistance test<br><b>ing of wood preservatives a</b><br>ng of effectiveness against<br>ds  | ČSN EN 314-2<br>ČSN EN 14080<br>B3, C, D<br>TP VVÚD 2.13<br>(ift-Ho-10/1, Ar<br>SANS 10096, A<br>ASTM D 1101-<br>TP VVÚD 4.23<br>(ČSN EN 1363-<br>and wood protec<br>ČSN 49 0604<br>(p. 67-85)   | .011<br>nnex 4)<br>nnex B<br>97a<br>.001<br>.1)  | Glued laminated timber<br>and finger joints<br>Glued laminated timber<br>Building products<br>Building materials  |
| ty<br>rmination of the bonding<br>ty<br><b>ing of fire properties</b><br>ified fire resistance test<br><b>ing of wood preservatives a</b><br>ng of effectiveness against<br>ds  | B3, C, D<br>TP VVÚD 2.13<br>(ift-Ho-10/1, Ar<br>SANS 10096, A<br>ASTM D 1101-<br>TP VVÚD 4.23<br>(ČSN EN 1363-<br>and wood protec<br>ČSN 49 0604<br>(p. 67-85)   | .011<br>nnex 4)<br>nnex B<br>97a<br>.001<br>.1)  | and finger joints<br>Glued laminated timber<br>Building products<br>Building materials  |
| ty<br>ing of fire properties<br>ified fire resistance test<br>ing of wood preservatives a<br>ng of effectiveness against<br>ds  | TP VVÚD 4.23<br>(ČSN EN 1363-<br>and wood protec<br>ČSN 49 0604<br>(p. 67-85)  | .001<br>1)   | Building products<br>Building materials   |
| ified fire resistance test<br>ing of wood preservatives a<br>ng of effectiveness against<br>ds  | (ČSN EN 1363-<br>and wood protec<br>ČSN 49 0604<br>(p. 67-85)  | -1)  | Building materials  |
| ing of wood preservatives a<br>ng of effectiveness against<br>ds  | (ČSN EN 1363-<br>and wood protec<br>ČSN 49 0604<br>(p. 67-85)  | -1)  | Building materials  |
| ng of effectiveness against<br>ds   | ČSN 49 0604<br>(p. 67-85)  | tion   |   |
| ds  | (p. 67-85)   |  | TTT 1 .*  |
| of resistance to moulds   |  |  | Wood preservatives and protected wood   |
|   |  |  | Building products and<br>materials<br>Military equipment  |
| tiveness against soft rotting<br>o-fungi and other soil   |  | 7  | Wood preservatives and protected wood   |
| st wood destroying  | ČSN EN 113-1<br>ČSN EN 113-2<br>ČSN EN 73<br>ČSN EN 84   |  | Wood preservatives and<br>protected wood  |
| tiveness against wood<br>oying Basidiomycetes -   | ČSN EN 839<br>ČSN EN 73<br>ČSN EN 84   |  | Wood preservatives and protected wood   |
| ssment of the effectiveness<br>nasonry fungicide to<br>ent growth into wood of  | (ČSN EN 12 404   |  | Preservatives   |
|   | rmination of the<br>tiveness against soft rotting<br>o-fungi and other soil<br>biting micro-organisms<br>rmination of toxic values<br>ast wood destroying<br>liomycetes<br>rmination of the protective<br>tiveness against wood<br>oying Basidiomycetes -<br>ication by surface treatment<br>ssment of the effectiveness<br>nasonry fungicide to<br>ent growth into wood of<br>Rot Serpula lacrymans | 12)rmination of the<br>tiveness against soft rotting<br>o-fungi and other soil<br>biting micro-organismsČSN P ENV 80<br>ČSN EN 84o-fungi and other soil<br>biting micro-organismsČSN EN 84rmination of toxic values<br>isst wood destroying<br>liomycetesČSN EN 113-1<br>ČSN EN 113-2<br>ČSN EN 73<br>ČSN EN 84rmination of the protective<br>tiveness against wood<br>oying Basidiomycetes -<br>ication by surface treatmentČSN EN 839<br>ČSN EN 73<br>ČSN EN 84ssment of the effectiveness<br>nasonry fungicide to<br>ent growth into wood of<br>Rot Serpula lacrymansTP VVÚD 2.83<br>CSN EN 12 40 | rmination of the<br>tiveness against soft rotting<br>o-fungi and other soil<br>oiting micro-organisms<br>rmination of toxic values<br>ast wood destroying<br>liomycetes<br>tiveness against wood<br>oying Basidiomycetes -<br>ication by surface treatment<br>ssment of the effectiveness<br>nasonry fungicide to<br>ent growth into wood of<br>Rot Serpula lacrymans |

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

Výzkumný a vývojový ústav dřevařský, Praha, s.p. Testing Laboratory for Materials and Products Borská 471, 262 72 Březnice

| Ordinal<br>number <sup>1</sup> | Test procedure / method name   | Test procedure /<br>method identification <sup>2</sup> | Tested object                            |
|--------------------------------|--|--|--|
| 8.7                            | Determination of the protective<br>effectiveness of a preservative<br>treatment against blue stain                                     | ČSN EN 152   | Wood preservatives and protected wood    |
| 8.8                            | Determination of the toxic<br>values against larvae of<br>Hylotrupes bajulus for deep<br>protection                                    | ČSN EN 47<br>ČSN EN 73<br>ČSN EN 84                    | Wood preservatives and protected wood    |
| 8.9                            | Determination of the preventive<br>action against Hylotrupes<br>bajulus for deep protection  | ČSN EN 46-1<br>ČSN EN 73<br>ČSN EN 84                  | Wood preservatives and protected wood    |
| 8.10                           | Determination of the relative<br>protective effectiveness of a<br>wood preservative in ground<br>contact                               | ČSN EN 252   | Wood preservatives and<br>protected wood |
| 8.11                           | Determination of the relative<br>protective effectiveness of a<br>wood preservative in out-of-<br>ground contact                       | ČSN EN 330   | Wood preservatives and protected wood    |
| 8.12                           | Test of extractability of a wood<br>preservative from wood by<br>extraction method   | TP VVÚD 2.83.041                                       | Wood preservatives and protected wood    |
| 8.13                           | Determination of corrosion<br>effect of a wood preservative to<br>metals   | ČSN 49 0681-1  | Preservatives                            |
| 8.14                           | Determination of corrosion<br>effect of protected wood to<br>metals  | ČSN 49 0681-2  | Wood preservatives and<br>protected wood |
| 8.15                           | Determination of effect of wood<br>preservatives to mechanical<br>properties of wood   | TP VVÚD 2.83.045                                       | Wood preservatives and<br>protected wood |
| 8.16                           | Determination of the preventive<br>action against Hylotrupes<br>bajulus (Linnaeus) – Part 2:<br>Ovicidal effect (Laboratory<br>method) | ČSN EN 46-2<br>ČSN EN 73<br>ČSN EN 84                  | Wood preservatives and<br>protected wood |
| 8.17                           | Determination of the eradicant<br>action against Hylotrupes<br>bajulus (Linnaeus) larvae –<br>Laboratory method                        | ČSN EN 1390  | Wood preservatives and protected wood    |

Page 5 of 13

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

Výzkumný a vývojový ústav dřevařský, Praha, s.p. Testing Laboratory for Materials and Products Borská 471, 262 72 Březnice

Ordinal Test procedure / Test procedure / method name **Tested** object method identification<sup>2</sup> number<sup>1</sup> ČSN EN 15457 Paints and varnishes -Wood preservatives and 8.18 Laboratory methods for the protected wood testing of the efficiency of film preservatives in coating against fungi and moulds Determination of resistance to CUAP 12.01/02cl1 Building products and 8.19 moulds on insulation materials Annex C ČSN P CEN/TS 15082 Determination of the preventive Wood preservatives and 8.20 effectiveness against sapstain protected wood fungi and mould fungi on freshly sawn timber - Field test Determination of the TP VVÚD 2.83.053 Wood preservatives and 8.21 effectiveness against sapstain protected wood (NWPC STANDARD fungi and mould fungi on 1.4.1.3./79) freshly sawn timber -Laboratory test Determination of emissions ČSN P CEN/TS 15119-1 Wood preservatives and 8.22 protected wood from preservative treated wood ČSN P CEN/TS 15119-2 to the environment 9 Testing of windows and balcony doors, doors, frames and gates TP VVÚD 5.18.002 Measurement of dimensions Windows and balcony 9.1 and squareness deviations doors Air permeability test ČSN EN 1026 Windows and balcony 9.2 doors, door leaves Test of the resistance ČSN EN 12211 Windows and balcony 9.3 doors, door leaves to wind load Windows and balcony Test of watertightness ČSN EN 1027 9.4 except method 2A and 2B doors, door leaves TP VVÚD 4.10.001 Roof windows and Testing of roof windows 9.5 skylights Measurement of height, ČSN EN 951 Doors 9.6 thickness and squareness Measurement of general ČSN EN 952 Doors 9.7 and local flatness Testing of inner flush TP VVÚD 4.10.002 Doors 9.8 wooden doors (ČSN 74 6402) ČSN EN 950 Determination of resistance Doors 9.9 to hard body impact Determination of ČSN EN 948 Hinged or pivoted doors 9.10 it pro ak the resistance to static torsion



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

| Ordinal<br>number <sup>1</sup> | Test procedure / method name   | Test procedure / method identification <sup>2</sup> | Tested object                                  |
|--------------------------------|--|---|--|
| 9.11                           | Determination of resistance<br>to vertical load                              | ČSN EN 947  | Hinged or pivoted doors                        |
| 9.12                           | Air permeability test  | ČSN EN 12427  | Gates  |
| 9.13                           | Test of the resistance<br>to wind load                                       | ČSN EN 12444  | Gates  |
| 9.14                           | Test of watertightness   | ČSN EN 12489  | Gates  |
| 9.15                           | Test of resistance to soft<br>and heavy body impacts                         | ČSN EN 949  | Doors  |
| 9.16                           | Measurement of operating forces for windows                                  | ČSN EN 12046-1                                      | Windows  |
| 9.17                           | Measurement of operating forces for doors                                    | ČSN EN 12046-2                                      | Doors  |
| 9.18                           | Determination of resistance to racking                                       | ČSN EN 14608  | Windows  |
| 9.19                           | Determination of the resistance to static torsion                            | ČSN EN 14609  | Windows  |
| 10                             | Testing of curtain walling   |   |  |
| 10.1 Air permeability test     |  | ČSN EN 12153  | Curtain walling                                |
| 10.2                           | Test of the resistance to wind load  | ČSN EN 12179  | Curtain walling                                |
| 10.3                           | Laboratory test of watertightness<br>under static pressure                   | ČSN EN 12155  | Curtain walling                                |
| 11                             | Test of pallets  |   |  |
| 11.1                           | Test of EUR pallets  | ČSN 26 9110   | European timber flat<br>pallet (800 x 1200) mm |
| 12                             | Testing of building components   | s of wooden buildings                               |  |
| 12.1*                          | Measurement of dimensions of building components                             | ČSN 73 0212-5, cl. 4                                | Building structures                            |
| 12.2                           | Static loading tests of building structures                                  | ČSN 73 2030<br>ČSN EN 380                           | Building structures                            |
| 12.3                           | Measurement of resistance of<br>panels and prefabricated panels<br>to impact | TR 001  | Building structures                            |
| 12.4                           | Determination of strength and rigidity of light beams and poles              | TR 002  | Beams, poles                                   |
| 12.5                           | Determination of air   | ČSN EN 12114  | Building components                            |
|                                |  | HARDONI AGREDITACIÓN GROAM                          |  |

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

| Ordinal<br>number <sup>1</sup> | Test procedure / method name  | Test procedure / method identification <sup>2</sup> | Tested object  |
|--------------------------------|---|---|--|
| 13                             | Testing of physico-chemical pr  | operties of preservatives                           |  |
| 13.1                           | Determination of density  | ČSN 65 0342<br>ČSN EN ISO 2811-1                    | Aqueous solutions, preservatives                               |
| 13.2                           | Determination of pH   | TP VVÚD 2.10.006<br>(ČSN ISO 10523)                 | Aqueous solutions,<br>preservatives                            |
| 14                             | Chemical analytical testing   |   |  |
| 14.1                           | Determination of the content of q titration   | uarternary ammonium co                              | mpounds by two-phase   |
| 14.1.1                         | Determination of the content of<br>quarternary ammonium<br>compounds by two-phase<br>titration          | ČSN EN ISO 2871-2                                   | Aqueous solutions,<br>preservatives                            |
| 14.1.2                         | Determination of the content of<br>quarternary ammonium<br>compounds by two-phase<br>titration          | TP VVÚD 2.62.004                                    | Protected wood   |
| 14.2                           | Gravimetric determination of copper content by electrolysis   | TP VVÚD 2.62.005,<br>cl. 4.2.1<br>(ČSN 49 0609)     | Preservatives, protected<br>wood and aqueous<br>solutions      |
| 14.3                           | Determination of copper content<br>by spectrophotometry   | TP VVÚD 2.62.005,<br>cl. 4.2.3                      | Wood preservatives,<br>protected wood and<br>aqueous solutions |
| 14.4                           | Determination of the content of boron by titration  | TP VVÚD 2.62.007<br>(ČSN 49 0609)                   | Wood preservatives,<br>protected wood                          |
| 14.5                           | Determination of the content of<br>tebuconazol by liquid<br>chromatography method with<br>UV detector   | TP VVÚD 2.62.013                                    | Preservatives  |
| 14.6                           | Determination of the content of<br>propiconazole by liquid<br>chromatography method with<br>UV detector | TP VVÚD 2.62.014                                    | Preservatives  |



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

| Ordinal<br>number <sup>1</sup> | Test procedure / method name  | Test procedure /<br>method identification <sup>2</sup>                  | Tested object  |
|--------------------------------|---|---|--|
| 14.7                           | Determination of the content of<br>3-iodoprop-2-<br>ynylbutylcarbamate by liquid<br>chromatography method with<br>UV detector                     | TP VVÚD 2.62.017  | Preservatives  |
| 14.8                           | Determination of the content of<br>flufenoxuron by liquid<br>chromatography method with<br>UV detector  | TP VVÚD 2.62.018  | Preservatives  |
| 14.9                           | Determination of the content of<br>deltamethrin, permethrin and<br>cypermethrin by liquid<br>chromatography method with<br>UV detector            | TP VVÚD 2.62.019  | Preservatives  |
| 14.10                          | Determination of the content of<br>tar oil based substances in<br>protected wood  | ČSN EN 12490  | Protected wood   |
| 14.11                          | Determination of the content of<br>fenoxycarb by liquid<br>chromatography method with<br>UV detector  | TP VVÚD 2.62.020  | Preservatives  |
| 14.12                          | Determination of formaldehyde<br>release by spectrophotometry -<br>Extraction method called the<br>perforator method                              | ČSN EN ISO 12460-5  | Wooden panels  |
| 14.13                          | Determination of formaldehyde<br>release by spectrophotometry -<br>Gas analysis method  | ČSN EN ISO 12460-3  | Wooden panels<br>Floor coverings<br>Building materials                               |
| 14.14 <sup>3</sup>             |   | TP VVÚD 2.64.001<br>(ČSN EN 717-1,<br>ASTM D 6007-14,<br>ČSN EN 16516)  | Composite wooden<br>boards<br>Wooden panels<br>Floor coverings<br>Building materials |
| 14.15                          | Determination of the emissions<br>of volatile organic compound in<br>a test chamber by gas<br>chromatography with a mass<br>detector <sup>4</sup> | TP VVÚD 2.64.002<br>(ČSN EN 16516<br>ČSN EN ISO 16000-9)                | Building materials and furniture   |
| 14.16                          | Determination of the emissions<br>of carbonyl compounds in a test<br>chamber by liquid<br>chromatography with a UV<br>detector <sup>4</sup>       | TP VVÚD 2.64.003<br>(ČSN EN 16516<br>ČSN EN 150 16000-9<br>ISO 16000-3) | Building materials and furniture   |

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

## Výzkumný a vývojový ústav dřevařský, Praha, s.p.

Testing Laboratory for Materials and Products

Borská 471, 262 72 Březnice

| Ordinal<br>number <sup>1</sup> | Test procedure / method name  | Test procedure /<br>method identification <sup>2</sup> | Tested object      |
|--------------------------------|---|--|--------------------|
| 15 Building diagnostic tests   |   |  |                    |
| 15.1*                          | Determination of air<br>permeability of buildings by<br>BlowerDoor method | ČSN EN ISO 9972  | Construction works |

<sup>1</sup> Asterisk at the ordinal number identifies the tests, which the Laboratory is qualified to carry out outside the permanent laboratory premises.

<sup>2</sup> If the document identifying the test procedure is dated, only these specific procedures are used. If the document identifying the test procedure is not dated, the latest edition of the specified procedure is used (including any changes).

<sup>4</sup> The determined parameters are listed in the table below.

| Ord. number<br>in the Annex Determined parameters |  |
|---|--|
| 14.15   | Acetic acid CAS 64-19-7, Pentanal CAS 110-62-3, Toluene CAS 108-88-3,<br>1-Pentanol CAS 71-41-0, Hexanal CAS 66-25-1, Heptanal CAS 111-71-7,<br>alpha-Pinene CAS 80-56-8, Pentanoic acid CAS 109-52-4,<br>Camphene CAS 79-92-5, (-)-beta-Pinene CAS 18172-67-3,<br>2-Heptenal CAS 18829-55-5, (+)-3-Carene CAS 498-15-7,<br>Octanal CAS 124-13-0, D-Limonene CAS 5989-27-5,<br>p-Cymene CAS 99-87-6, Hexanoic acid CAS 142-62-1,<br>1-Octanol CAS 111-87-5, Nonanal CAS 124-19-6 |
| 14.16   | Formaldehyde CAS 50-00-0, acetaldehyde CAS 75-07-0, acetone CAS 67-64-1,   |

#### **Explanations:**

| ΤΡ VVÚD       | Technical specification of VVÚD  |
|---------------|--|
| TR xxx        | Technical report No. xxx   |
| CUAP          | Common Understanding Assessment Procedures                                     |
| NWPC Standard | Nordic Wood Preservation Council Standard                                      |
| DIN           | German technical standard  |
| Ift-HO        | Method designed by ift (Institut für Fenstertechnik) Rosenheim                 |
| ASTM          | Technical standard issued by ASTM (American Society for Testing and Materials) |
| SANS          | South African National Standards   |
|               |  |



<sup>&</sup>lt;sup>3</sup> The tests have been assessed according to the relevant requirements of 40 CFR Part 770 (Regulation Formaldehyde Emission Standards for Composite Wood Products published by the United States Environmental Protection Agency, available at https://www.epa.gov/formaldehyde.)

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

Výzkumný a vývojový ústav dřevařský, Praha, s.p. Testing Laboratory for Materials and Products Borská 471, 262 72 Březnice

Annex:

Flexible scope of accreditation

Ordinal numbers of tests

| 3.1, 3.2, 3.3, 3.4, 4.1, 4.2, 4.3, 4.4, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6, 8.7, 8.8, 8.9, 8.10, 8.11, 8.12, |
|--|
| 8.13, 8.14, 8.15, 8.16, 8.17, 8.18, 8.19, 8.20, 8.21, 8.22, 14.1, 14.2, 14.3, 14.4, 14.5, 14.6,        |
| 14.7, 14.8, 14.9, 14.10, 14.11, 14.12, 14.13, 14.14, 14.15, 14.16                                      |

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.



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

#### Výzkumný a vývojový ústav dřevařský, Praha, s.p. Testing Laboratory for Materials and Products Borská 471, 262 72 Březnice

#### Accreditation for purposes of authorization/notification

| Ordinal<br>number | Product / Product group name  | Conformity assessment<br>procedure / module /<br>AVCP system | Basic requirements /<br>harmonized technical<br>specifications: product<br>specifications / characteristics<br>/ technical standards <sup>1</sup> |
|-------------------|---|--|---|
| 1.                | Construction products acc. to Regulation (EU) No. 305/2011  |  |   |
| 1.1               | Doors, windows, shutters, gates and related finish hardware   |  |   |
| 1.1.1             | Doors and gates (with or without<br>corresponding hardware) for<br>specific uses and/or uses subject to<br>specific requirements, especially<br>requirements for noise, energy,<br>tightness and safety and for<br>emergency routes<br>(according to Annex 3 of<br>Commission Decision No.<br>1999/93/EC, as amended by<br>2011/246/EU) | Regulation No.<br>305/2011<br>System 3                       | ČSN EN 14351-1+A2   |
| 1.1.2             | Windows (with and without related<br>hardware)<br>(according to Annex 3 of<br>Commission Decision No.<br>1999/93/EC, as amended by<br>2011/246/EU)  | <b>Regulation No.</b><br><b>305/2011</b><br>System 3         | ČSN EN 14351-1+A2   |
| 1.2               | Wood based panels and elements  |  |   |
| 1.2.1             | Unfaced, overlaid and veneered or<br>coated wood-based panels for non-<br>structural elements in interior or<br>exterior applications<br>(according to Annex 3 of<br>Commission Decision No.<br>97/462/EC, as amended by<br>2001/596/EC)  | Regulation No.<br>305/2011 System 3                          | ČSN EN 13986+A1   |
| 1.3               | Floorings   |  |   |
| 1.3.1             | Rigid flooring products – paving<br>units, tiles, mosaics, parquets, rigid<br>laminated floorings, wood based<br>products<br>(according to Annex No. 3 of<br>Commission Decision No.<br>97/808/EC, as amended by<br>Commission Decision   | Regulation No.<br>305/2011<br>System 3                       | ČSN EN 14342<br>ČSN EN 14041 (only<br>for laminated floor<br>coverings)   |

-5-

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

# Výzkumný a vývojový ústav dřevařský, Praha, s.p. Testing Laboratory for Materials and Products

Borská 471, 262 72 Březnice

| Ordinal<br>number | Product / Product group name   | Conformity assessment<br>procedure / module /<br>AVCP system | Basic requirements /<br>harmonized technical<br>specifications: product<br>specifications / characteristics<br>/ technical standards <sup>1</sup> |  |
|-------------------|--|--|---|--|
|                   | 1999/453/EC, 2001/596/EC, and 2006/190/EC)   |  |   |  |
| 1.4               | Indoor and outdoor coating of walls and ceilings, internal partition kits  |  |   |  |
| 1.4.1             | Tiles for interior or exterior wall or<br>ceiling finishes<br>(according to Annex 3 of<br>Commission Decision No.<br>98/437/EC, as amended by<br>Commission Decision<br>2001/596/EC) | Regulation No.<br>305/2011 System 3                          | ČSN EN 14915  |  |
| 1.5               | Roof coverings, roof lights, roof windows and ancillary products, roof kits  |  |   |  |
| 1.5.1             | Roof windows<br>(according to Annex 3 of<br>Commission Decision No.<br>98/436/EC, as amended by<br>2001/596/EC)  | Regulation No.<br>305/2011<br>System 3                       | ČSN EN 14351-1+A2   |  |

<sup>1</sup> for dated documents identifying essential requirements / harmonised technical specifications: product specifications / features / technical standards, only the editions cited are used; for undated documents, the latest edition of the referenced document (including any amendments) is used.

#### **Explanations:**

Regulation RK

ation Regulation (EU) of the European Parliament and of the Council Commission Decision

