

Environmentally friendly

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## DECLARATION OF PERFORMANCE

**DoP Nr.:** 1393-CPR-007

**Product:** **ALFA technic** – water-resistant plywood

**Product identification:** water-resistant plywood for outdoor and indoor use as a supporting element, glued with phenol-formaldehyde glue  
For permanent outdoor use is expected, the board should be surface treated. The surface treatment also applies to the sides of the board

|                      |   |                                  |
|----------------------|---|----------------------------------|
| <b>Manufacturer:</b> | <b>Wotan Forest, a.s.</b>                                       | <b>division of flat material</b> |
|                      | Rudolfovská tř. 202/88  | Kvasinská 297                    |
|                      | 370 01 České Budějovice   | 517 01 Solnice                   |
|                      | Czech republic  | Czech republic                   |
|                      | Web: <a href="http://www.wotanforest.cz">www.wotanforest.cz</a> |                                  |

**System for the assessment and verification:** : System 2+

**Harmonized standard:** EN 13986 + A1:2015

**Notified body:** Nr. 1393

**VVÚD Praha, s.p.**  
Na Florenci 7-9  
111 71 Praha 1  
Czech republic

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**Declared performance:**

| Specifications              | standard | unit                          | Panel thickness               |                        |                        |                        |                        |                        |
|-----------------------------|----------|-------------------------------|-------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
|                             |          |                               | 4 – 6 mm                      | 9 mm                   | 12 mm                  | 15 mm                  | 18 mm                  | 21+ mm                 |
| Bending strength            | EN 310   | N/mm <sup>2</sup>             | 60-80<br>± 10-20              | 50-75<br>25-35         | 35-60<br>20-25         | 30-60<br>20-35         | 30-45<br>20-25         | 50-80<br>30-35         |
| Modulus of Elasticity       | EN 310   | N/mm <sup>2</sup>             | 6000-7000<br>± 900-1200       | 4000-7000<br>3000-3200 | 3500-7000<br>2000-3000 | 5500-8500<br>2500-4000 | 5500-9800<br>3500-5500 | 6500-8000<br>2000-4500 |
| Bonding quality             | EN 314   | N/mm <sup>2</sup>             | 0,8 – 1,20                    |                        |                        |                        |                        |                        |
| Reaction to fire            | EN 13501 |                               | do tl. 9 mm                   | D-s2, d0               | tl. nad 9 mm           | třída E                |                        |                        |
| Release of Formaldehyde     | EN 712-2 | mg/m <sup>2</sup> .h          | emission class E <sub>1</sub> |                        | 0,48                   |                        |                        |                        |
| Formaldehyde content        | EN 717-1 | mg HCHO/m <sup>3</sup><br>ppm | chamber value                 | 0,015<br>≤ 0,050       |                        |                        |                        |                        |
| Water vapour permeability μ |          |                               |                               | wet 70<br>dry 200      |                        |                        |                        |                        |
| Thermal conductivity        | λ        | W/mK                          |                               | 0,13                   |                        |                        |                        |                        |

Product – ALFA technic water-resistant plywood corresponds to the declared performance.  
This declaration of performance is issued under the sole responsibility of the manufacturer

Solnice 1.10.2019

creator Josef Kopecký  
quality engineer



for manufacturer Ing. Michal Polák  
COO division of flat material

