SKLEJKA - EKO S.A.

# DECLARATION OF PERFORMANCE

**No. 2/2019**

**1.** Product-type:

**Plywood for use as non-structural components in interior and exterior conditions,**

**technical classes EN 636-1 G; -2 G; -3 G, from hard- and soft-wood, thickness from 4 mm to 30 mm**

**2.** Identification of product:

**Interior plywood and exterior plywood**

**3.** Intended use or uses of the construction product:

**Interior plywood can be used in construction as non-structural components in interior and humid conditions**

**Exterior plywood can be used in construction as non-structural components in exterior conditions**

**4.** Name and address of the manufacturer:

**SKLEJKA – EKO S.A.**

**str. Reymonta 35**

**63-400 Ostrów Wielkopolski**

**POLAND**

**5.** Name and contact address of the authorised representative:

**Not applicable**

**6.** System of assessment and verification of constancy of performance of the construction product (AVCP):

**System 4**

**7.** Notified Body's task(s), if applicable:

**Not applicable**

performed:

**Not applicable**

under system:

**System 4**

and issued:

**Factory Production Control and Internal tests reports**

**8.** Declared performance

<table>
<tr><th>Essential characteristics</th><th colspan="5">Performance</th><th>Harmonized technical specification</th></tr>
<tr><td>Density</td><td colspan="5">500 ÷ 750 kg/m$^3$</td><td rowspan="15">EN 13986+A1:2015<br>Wood based panels for use in construction<br>Characteristics, evaluation of conformity and marking<br><br>EN 636:2005<br>Plywood - Specifications</td></tr>
<tr><td>Humidity</td><td colspan="5">5 ÷ 12 %</td></tr>
<tr><td>Bending strength along / across fibers</td><td colspan="5">F 25/60 / F 20/40</td></tr>
<tr><td>Modulus of elasticity along / across fibers</td><td colspan="5">E 50/100 / E 30/80</td></tr>
<tr><td>Compressive strenght</td><td colspan="5">not tested</td></tr>
<tr><td>Tensile strenght</td><td colspan="5">not tested</td></tr>
<tr><td>Release of formaldehyde</td><td colspan="5">Class E1<br>CARB ≤0,5 mg/m$^2$h</td></tr>
<tr><td rowspan="9">Reaction to fire</td><td colspan="5">PN-EN 13986+A1 tab. 8</td></tr>
<tr><td rowspan="3">D-s2,d0</td><td>End use condition</td><td>Density [kg/m$^3$]</td><td colspan="2">Thickness [mm]</td></tr>
<tr><td rowspan="3">without an air gap behind the wood-based panel</td><td>≥600</td><td colspan="2">≥9</td></tr>
<tr><td>≥400</td><td colspan="2">≥9<br>≥12</td></tr>
<tr><td>≥450</td><td colspan="2">≥15</td></tr>
<tr><td rowspan="2">D-s2,d2</td><td rowspan="2">with a closed or an open air gap not more than 22 mm behind the wood-based panel</td><td>≥600</td><td colspan="2">≥9</td></tr>
<tr><td>≥400</td><td colspan="2">≥9<br>≥12</td></tr>
<tr><td rowspan="2">D-s2,d0<br>D-s2,d1<br>D-s2,d0</td><td rowspan="2">with a closed air gap behind the wood-based panel</td><td>≥600</td><td colspan="2">≥15</td></tr>
<tr><td>≥400</td><td colspan="2">≥15</td></tr>
<tr><td>D-s2,d0</td><td>with an open air gap behind the wood-based panel</td><td>≥400</td><td colspan="2">≥18</td></tr>
<tr><td>E</td><td colspan="2">any</td><td colspan="2">≥400</td><td>≥3</td></tr>
<tr><td rowspan="2">Water vapour permeability</td><td colspan="5">Interpolated from EN 13986+A1 tab 9<br>for density 600 kg/m$^3$</td></tr>
<tr><td colspan="2">μ wet cup</td><td>80</td><td>μ dry cup</td><td>210</td></tr>
</table>

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|---|---|---|---|
| **Airborne sound insulation** | Calculated per EN13986+A1 section 5.10 using the formula (t = thickness in mm) R=13 x lg (0,600 x t)+14 | | |
| **Sound absorption coefficient** | EN 13986+A1 tab. 10 | | |
| | 250 – 500 Hz: 0,10 | 1000 – 2000 Hz: 0,30 | |
| **Thermal conductivity** | Interpolated from EN 13986+A1 tab 11 for density 600 kg/$m^3$ λ=0,15 W/(m·K) | | |
| **Biological durability** | Internal conditions, humid conditions (under shelter) | | |
| **Content of pentachlorophenol (PCP)** | EN 13986+A1 section 5.18 | < 5 ppm | |

**9.** The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

TECHNOLOG
Natalia Wota

.....
(name and function)

**29.01.2019 Ostrów Wielkopolski**

.....
(place and date of issue)

PREZES ZARZĄDU
DYREKTOR OPERACYJNY
Jacek Kaszyński

.....
(signature)