

**DECLARATION OF PERFORMANCE  
ACCORDING REGULATION (EC)  
№ CPR - 24P-18/11-2017.07.20**

|                                                                                       |                                                                                                                                       |                                                                                                                                                                                                                          |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                                                                                     | Unique identification code for product type                                                                                           | <b>POPLAR RAW PLYWOOD<br/>18 mm, 636-3 S</b>                                                                                                                                                                             |
| 2                                                                                     | Intended use for construction product                                                                                                 | Use as structural components in external applications in construction                                                                                                                                                    |
| 3                                                                                     | Name, Registered trade name or registered trade mark and contact details of the manufacturer according requirements of Article 11 (5) | MaxPly™<br><br>Maxply Ltd.<br>2 Maritsa street<br>9118 Pchelnic village<br>Varna, Bulgaria<br>+359 52 30 56 51<br><a href="mailto:info@maxply.eu">info@maxply.eu</a><br><a href="http://www.maxply.eu">www.maxply.eu</a> |
| 4                                                                                     | System/s of AVCP                                                                                                                      | System 2+                                                                                                                                                                                                                |
| 5                                                                                     | Harmonised standard                                                                                                                   | EN 13986:2004 + A1:2015                                                                                                                                                                                                  |
| 6                                                                                     | Notified body                                                                                                                         | NB 1871 - Center for testing and European certification                                                                                                                                                                  |
| <b>7. DECLARED PERFORMANCES:</b>                                                      |                                                                                                                                       |                                                                                                                                                                                                                          |
| <b>Essential characteristics</b>                                                      |                                                                                                                                       | <b>Performance</b>                                                                                                                                                                                                       |
| Bending strength                                                                      |                                                                                                                                       |                                                                                                                                                                                                                          |
| - Lengthwise resistance                                                               |                                                                                                                                       | ≥ 28 N/mm <sup>2</sup>                                                                                                                                                                                                   |
| - Crosswise resistance                                                                |                                                                                                                                       | ≥ 30 N/mm <sup>2</sup>                                                                                                                                                                                                   |
| Bending stiffness (Modulus of Elasticity)                                             |                                                                                                                                       |                                                                                                                                                                                                                          |
| - Lengthwise resistance                                                               |                                                                                                                                       | ≥ 3200 N/mm <sup>2</sup>                                                                                                                                                                                                 |
| - Crosswise resistance                                                                |                                                                                                                                       | ≥ 2900 N/mm <sup>2</sup>                                                                                                                                                                                                 |
| Characteristic bending strength (f <sub>m,k</sub> )                                   |                                                                                                                                       |                                                                                                                                                                                                                          |
| - Lengthwise resistance                                                               |                                                                                                                                       | ≥ 15 N/mm <sup>2</sup>                                                                                                                                                                                                   |
| - Crosswise resistance                                                                |                                                                                                                                       | ≥ 20 N/mm <sup>2</sup>                                                                                                                                                                                                   |
| Mean bending stiffness (Modulus of Elasticity) (E <sub>m,mean</sub> )                 |                                                                                                                                       |                                                                                                                                                                                                                          |
| - Lengthwise resistance                                                               |                                                                                                                                       | ≥ 3000 N/mm <sup>2</sup>                                                                                                                                                                                                 |
| - Crosswise resistance                                                                |                                                                                                                                       | ≥ 2500 N/mm <sup>2</sup>                                                                                                                                                                                                 |
| Punching shear (for floors and roofs) as point load strength and point load stiffness |                                                                                                                                       | NPD                                                                                                                                                                                                                      |
| Racking resistance (for walls)                                                        |                                                                                                                                       | NPD                                                                                                                                                                                                                      |
| Impact resistance (for floors, roofs and walls)                                       |                                                                                                                                       | NPD                                                                                                                                                                                                                      |
| Density, kg/m <sup>3</sup>                                                            |                                                                                                                                       | 650                                                                                                                                                                                                                      |
| Reaction to fire                                                                      |                                                                                                                                       | D – s2, d0 (acc.to Table 8)                                                                                                                                                                                              |
| Water vapour permeability, μ                                                          |                                                                                                                                       | Wet cup – 85 (acc.to Table 9)<br>Dry cup – 215 (acc.to Table 9)                                                                                                                                                          |
| Release of formaldehyde                                                               |                                                                                                                                       | E1                                                                                                                                                                                                                       |
| Release (content) of pentachlorophenol (PCP)                                          |                                                                                                                                       | PCP ≤ 5 ppm                                                                                                                                                                                                              |
| Airborne sound insulation (surface mass)                                              |                                                                                                                                       | NPD                                                                                                                                                                                                                      |
| Sound absorption                                                                      |                                                                                                                                       | NPD                                                                                                                                                                                                                      |
| Thermal conductivity (density)                                                        |                                                                                                                                       | λ = 0.16 W/(m×K) (acc.to Table 11)                                                                                                                                                                                       |
| Embedment strength                                                                    |                                                                                                                                       | NPD                                                                                                                                                                                                                      |
| Air permeability                                                                      |                                                                                                                                       | NPD                                                                                                                                                                                                                      |
| Durability, as:                                                                       |                                                                                                                                       |                                                                                                                                                                                                                          |
| - Bonding strength                                                                    |                                                                                                                                       | Class 3                                                                                                                                                                                                                  |
| - Internal bond                                                                       |                                                                                                                                       | NPD                                                                                                                                                                                                                      |

|                                                                                                                                                                                                                                                                            |                                                          |                  |                    |                   |                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|------------------|--------------------|-------------------|----------------------|
| - Swelling in thickness                                                                                                                                                                                                                                                    | NPD                                                      |                  |                    |                   |                      |
| - Moisture resistance                                                                                                                                                                                                                                                      | Class 3                                                  |                  |                    |                   |                      |
| - Mechanical                                                                                                                                                                                                                                                               | Values of $k_{mod}$ for type EN 636-3 (acc. EN 1995-1-1) |                  |                    |                   |                      |
|                                                                                                                                                                                                                                                                            | Permanent action                                         | Long term action | Medium term action | Short term action | Instantaneous action |
|                                                                                                                                                                                                                                                                            | 0,50                                                     | 0,55             | 0,65               | 0,70              | 0,90                 |
|                                                                                                                                                                                                                                                                            |                                                          |                  |                    |                   |                      |
|                                                                                                                                                                                                                                                                            | Values of $k_{def}$ for type EN 636-3 (acc. EN 1995-1-1) |                  |                    |                   |                      |
|                                                                                                                                                                                                                                                                            | service class 1                                          |                  | service class 2    |                   | service class 3      |
|                                                                                                                                                                                                                                                                            | 0,80                                                     |                  | 1,00               |                   | 2,5                  |
| - Biological                                                                                                                                                                                                                                                               | NPD                                                      |                  |                    |                   |                      |
| 8. The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above. |                                                          |                  |                    |                   |                      |
| Dimension tolerances according to EN 315                                                                                                                                                                                                                                   | Length-Width: up to $\pm 3.5$ mm                         |                  |                    |                   |                      |
|                                                                                                                                                                                                                                                                            | Squareness of panels: 1 mm/m                             |                  |                    |                   |                      |
| Normal thickness according to EN 315                                                                                                                                                                                                                                       | 17.06 ÷ 18.74 mm                                         |                  |                    |                   |                      |
|                                                                                                                                                                                                                                                                            | On the same panel 0.6 mm                                 |                  |                    |                   |                      |
| Thickness tolerance                                                                                                                                                                                                                                                        | $\pm 0.75$ mm                                            |                  |                    |                   |                      |

Signed for behalf of the manufacturer by:

Velimira Danailova  
Managing director



Varna, Bulgaria  
20.07.2017