

**DECLARATION OF PERFORMANCE
ACCORDING REGULATION (EC)
№ CPR – 2TW-11/4-2019.09.20**

1	Unique identification code for product type	TWIN WIRE MESH PLYWOOD 18 mm, 636-3 S
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)	TWIN Maxply Ltd. 2 Maritsa street 9118 Pchelnik village Varna, Bulgaria +359 52 30 56 51 info@maxply.eu www.maxply.eu
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
7. DECLARED PERFORMANCES:		
Essential characteristics		Performance
Bending strength		
- Lengthwise resistance		22.6 N/mm ²
- Crosswise resistance		18.9 N/mm ²
Compression strength		
- Lengthwise resistance		17.0 N/mm ²
- Crosswise resistance		18.5 N/mm ²
Tension strength		
- Lengthwise resistance		6.7 N/mm ²
- Crosswise resistance		7.5 N/mm ²
Bending stiffness (Modulus of Elasticity)		
- Lengthwise resistance		8331 N/mm ²
- Crosswise resistance		5885 N/mm ²
Compression (Modulus of Elasticity)		
- Lengthwise resistance		4206 N/mm ²
- Crosswise resistance		5135 N/mm ²
Tension (Modulus of Elasticity)		
- Lengthwise resistance		4039 N/mm ²
- Crosswise resistance		5341 N/mm ²
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 ³		550
Reaction to fire		D – s2, d0, Dfl – s1 (acc.to Table 8)
Water vapour permeability, μ		Wet cup - 70 Dry cup - 200
Release of formaldehyde		E1
Release (content) of pentachlorophenol (PCP)		PCP ≤ 5 ppm
Airborne sound insulation (surface mass)		NPD
Sound absorption		Frequency range 250 Hz to 500 Hz 0,1 Frequency range 1000 Hz to 2000 Hz 0,3
Thermal conductivity (density)		λ = 0.13 W/(m×K)
Embedment strength		NPD

Air permeability	NPD
Durability, as:	
- Bonding strength	Class 3
- Internal bond	NPD
- Swelling in thickness	NPD
- Moisture resistance	NPD
- Mechanical	NPD
- 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 ± 3.5 mm
	Squareness of panels: 1 mm/m
Normal thickness according to EN 315	17.05 ÷ 18.90 mm
	On the same panel 0.6 mm
Thickness tolerance	± 0.2 mm

Signed for behalf of the manufacturer by:

Velimira Danailova
Managing director



Varna, Bulgaria
20.09.2019