

**DECLARATION OF PERFORMANCE**

**4.07.2022**

**WELDE FILM ROBUSTA**

**WELDE FILM TWIN**

**WELDE FILM BI-PLY**

1. Unique identification code of the product type:

**WELDE FILM ROBUSTA**

**WELDE FILM TWIN**

**WELDE FILM BI-PLY**

2. Type, batch or serial number or any other elements allowing identification of the construction product as required under Article 11(4):

**WELDE FILM ROBUSTA 10-12-15-18-21-24-27-30 mm**

Poplar plywood – poplar veneers on each face glued with phenol-formaldehyde resin; water resistant.

**WELDE FILM TWIN – 15 – 18 mm**

Poplar plywood with birch veneers on each face glued with phenol-formaldehyde resin; water resistant.

**WELDE FILM BI-PLY- 15 – 21 mm**

Plywood with birch veneers on each face and poplar and birch veneer middles glued with phenol- formaldehyde resin; water resistant;

3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

**External use as structural components in exterior conditions (EN 636-3-S)**

4. Name, register trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):

**WELDE BULGARIA AD**

**Bulgaria, Troyan 5600, Velchevski Destr.**

**tel: +359 670 62278; fax: +359 670 62846,**

**e-mail: [office@welde.bg](mailto:office@welde.bg), [www.welde.bg](http://www.welde.bg)**

5. Name and contact address of the authorized representative whose mandate cover the tasks specified in Article 12 (2):

6. System or systems of assessment and verification of constancy of performance of the construction products as set out in CPR, Annex V:

**System 2+**

7. In case of the declaration of performance concerning a construction product covered by harmonized standard:

Notified factory production control certification body No.1922 Dedal Attestation & Certification, Bulgaria performed the initial inspection of the manufacturing plant and of factory production and the construction surveillance, assessment and evaluation of factory production control and issued the certificate No.1922-CPR-0575 of conformity of the factory production control.

8. Declared performance

Essential characteristics			Performance	Harmonised technical specification	
Strength for structural use (bending)	$f_{m\parallel}$ thickness	10 mm	36.2 N/mm <sup>2</sup>		
		12 mm	32.1 N/mm <sup>2</sup>		
		15 mm	32.0 N/mm <sup>2</sup>		
		18 mm	31.0 N/mm <sup>2</sup>		
		21 mm	31.3 N/mm <sup>2</sup>		
		24 mm	37.4 N/mm <sup>2</sup>		
		27 mm	39.1 N/mm <sup>2</sup>		
		30 mm	31.0 N/mm <sup>2</sup>		
		15 mm twin	53.8 N/mm <sup>2</sup>		
		18 mm twin	43.6 N/mm <sup>2</sup>		
		15 mm bi-ply	52.5 N/mm <sup>2</sup>		
		21 mm bi-ply	40.6 N/mm <sup>2</sup>		
		$f_{m\perp}$ thickness	10 mm		23.6 N/mm <sup>2</sup>
			12 mm		28.6 N/mm <sup>2</sup>
	15 mm		28.5 N/mm <sup>2</sup>		
	18 mm		29.7 N/mm <sup>2</sup>		
	21 mm		23.3 N/mm <sup>2</sup>		
	24 mm		33.3 N/mm <sup>2</sup>		
	27 mm		34.3 N/mm <sup>2</sup>		
	30 mm		21.0 N/mm <sup>2</sup>		
Stiffness for structural use (bending)	$E_{m\parallel}$ thickness	10 mm	3413 N/mm <sup>2</sup>	EN 13986:2004+A1:2015	
		12 mm	3049 N/mm <sup>2</sup>		
		15 mm	3330 N/mm <sup>2</sup>		

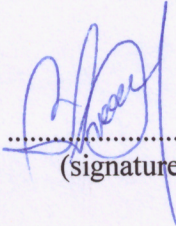
$E_{m,L}$ thickness	18 mm	3330 N/mm <sup>2</sup>	
	21 mm	4197 N/mm <sup>2</sup>	
	24 mm	4156 N/mm <sup>2</sup>	
	27 mm	4597 N/mm <sup>2</sup>	
	30 mm	5068 N/mm <sup>2</sup>	
	15 mm twin	5999 N/mm <sup>2</sup>	
	18 mm twin	5193 N/mm <sup>2</sup>	
	15 mm bi-ply	5683 N/mm <sup>2</sup>	
	21 mm bi-ply	4998 N/mm <sup>2</sup>	
	10 mm	2024 N/mm <sup>2</sup>	
	12 mm	2058 N/mm <sup>2</sup>	
	15 mm	2766 N/mm <sup>2</sup>	
	18 mm	1946 N/mm <sup>2</sup>	
	21 mm	1943 N/mm <sup>2</sup>	
	24 mm	3235 N/mm <sup>2</sup>	
	27 mm	3949 N/mm <sup>2</sup>	
	30 mm	3625 N/mm <sup>2</sup>	
	15 mm twin	3654 N/mm <sup>2</sup>	
	18 mm twin	4152 N/mm <sup>2</sup>	
15 mm bi-ply	3029 N/mm <sup>2</sup>		
21 mm bi-ply	4534 N/mm <sup>2</sup>		
Bonding quality (moisture resistant)		Class 3 (EN 314-1)	
Release of formaldehyde		E1	
Reaction to fire		class D-s2, d0	
Water vapour permeability $\mu$		NPD	
Airborne sound insulation		NPD	
Thermal conductivity $\lambda$		NPD	
Mechanical durability		NPD	
Biological durability		NPD	
Release (content) of pentachlorophenol (PCP)		No content	

\*Passes the 72 – hour boiling test.

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 on behalf of the manufacturer by:

Petko Bordzhukov – Production manager “Plywood”  
( name and function)

  
.....  
(signature)

Troyan, 04/07/2022