



## Declaration of Performance

**DOP WPW - 10-05-25**

**Date: 12.5.2025**

WELDE FILM ROBUSTA

WELDE FILM TWIN

WELDE FILM BI-PLY

WELDE BEECH/ BIRCH COMBI

1. Unique identification code of the product type:

**WELDE FILM ROBUSTA**

**WELDE FILM TWIN**

**WELDE FILM BI-PLY**

**WELDE BEECH/ BIRCH COMBI**

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

**WELDE 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 TWIN – 15 – 18 mm**

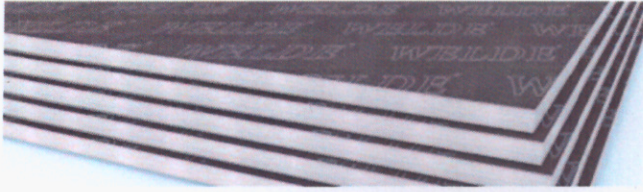
Poplar plywood with birch veneers on each face glued with phenol-formaldehyde resin; water resistant.

**WELDE BI-PLY- 15 – 18 - 21 mm**

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

**WELDE BEECH/ BIRCH COMBI - 9 - 12 - 15 - 18 - 21 - 24 - 27 - 30 mm**

Combination plywood of deciduous hardwood 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):

**WELDE G. m. b. H.**

**Richterergasse 7/1, A-1070 Wien, Austria**

**tel.: +43 (1) 203 28 50 ; +43 (1) 203 28 50**

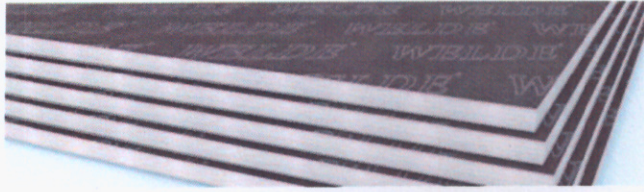
**Fax.: +43 (1) 203 28 50/ 20 ; e-mail: [plywood@welde.at](mailto:plywood@welde.at)**

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	Thickness	Performance		Class		Harmonised technical specification		
		$f_{m  }$	$f_{m\perp}$	$f_{m  }$	$f_{m\perp}$			
Strenght for structural use (bending)	10 mm	36.2 N/mm <sup>2</sup>	23.6 N/mm <sup>2</sup>	F 20	F15	EN13986:2004+A1:2015		
	12 mm	32.1 N/mm <sup>2</sup>	28.6 N/mm <sup>2</sup>	F 20	F 15			
	15 mm	32.0 N/mm <sup>2</sup>	28.5 N/mm <sup>2</sup>	F 20	F 15			
	18 mm	31.0 N/mm <sup>2</sup>	29.7 N/mm <sup>2</sup>	F 20	F 15			
	21 mm	31.3 N/mm <sup>2</sup>	23.3 N/mm <sup>2</sup>	F 20	F 15			
	24 mm	37.4 N/mm <sup>2</sup>	33.3 N/mm <sup>2</sup>	F 20	F 20			
	27 mm	39.1 N/mm <sup>2</sup>	34.3 N/mm <sup>2</sup>	F 25	F 20			
	30 mm	31.0 N/mm <sup>2</sup>	21.0 N/mm <sup>2</sup>	F 20	F 10			
	15 mm Twin	53.8 N/mm <sup>2</sup>	30.8 N/mm <sup>2</sup>	F 35	F 20			
	18 mm Twin	43.6 N/mm <sup>2</sup>	42.5 N/mm <sup>2</sup>	F 25	F 25			
	15 mm Bi-Ply	52.5 N/mm <sup>2</sup>	24.1 N/mm <sup>2</sup>	F 35	F 15			
	18 mm Bi-Ply	46.5 N/mm <sup>2</sup>	40.8 N/mm <sup>2</sup>	F 30	F 25			
	21 mm Bi-Ply	40.6 N/mm <sup>2</sup>	40.2 N/mm <sup>2</sup>	F 25	F 25			
	9 mm Beech/ Birch Combi	72.4 N/mm <sup>2</sup>	61.6 N/mm <sup>2</sup>	F 40	F 40			
	12 mm Beech/ Birch Combi	57.2 N/mm <sup>2</sup>	47.0 N/mm <sup>2</sup>	F 35	F 30			
	15 mm Beech/ Birch Combi	74.3 N/mm <sup>2</sup>	52.8 N/mm <sup>2</sup>	F 40	F 35			
	18 mm Beech/ Birch Combi	64.3 N/mm <sup>2</sup>	54.8 N/mm <sup>2</sup>	F 40	F 35			
	21 mm Beech/ Birch Combi	60.7 N/mm <sup>2</sup>	58.9 N/mm <sup>2</sup>	F 40	F 35			
	24 mm Beech/ Birch Combi	76.2 N/mm <sup>2</sup>	66.2 N/mm <sup>2</sup>	F 50	F 40			
	27 mm Beech/ Birch Combi	64.4 N/mm <sup>2</sup>	58.5 N/mm <sup>2</sup>	F 40	F 35			
	30 mm Beech/ Birch Combi	58.3 N/mm <sup>2</sup>	66.6 N/mm <sup>2</sup>	F 35	F 40			
	Stiffness for structural use (bending)	10 mm	3413 N/mm <sup>2</sup>	2024 N/mm <sup>2</sup>	E 35		E 20	EN13986:2004+A1:2015
		12 mm	3049 N/mm <sup>2</sup>	2058 N/mm <sup>2</sup>	E 30		E 20	
15 mm		3330 N/mm <sup>2</sup>	2766 N/mm <sup>2</sup>	E 35	E 30			
18 mm		3330 N/mm <sup>2</sup>	1946 N/mm <sup>2</sup>	E 35	E 20			
21 mm		4197 N/mm <sup>2</sup>	1943 N/mm <sup>2</sup>	E 40	E 20			
24 mm		4156 N/mm <sup>2</sup>	3235 N/mm <sup>2</sup>	E 40	E 35			
27 mm		4597 N/mm <sup>2</sup>	3949 N/mm <sup>2</sup>	E 50	E 40			
30 mm		5068 N/mm <sup>2</sup>	3625 N/mm <sup>2</sup>	E 50	E 40			
15 mm Twin		5999 N/mm <sup>2</sup>	3654 N/mm <sup>2</sup>	E 60	E 40			



18 mm Twin	5193 N/mm <sup>2</sup>	4152 N/mm <sup>2</sup>	E 50	E 40
15 mm Bi-Ply	5683 N/mm <sup>2</sup>	3029 N/mm <sup>2</sup>	E 60	E 30
18 mm Bi-Ply	5191 N/mm <sup>2</sup>	4238 N/mm <sup>2</sup>	E 50	E 40
21 mm Bi-Ply	4998 N/mm <sup>2</sup>	4534 N/mm <sup>2</sup>	E 50	E 50
9 mm Beech/ Birch Combi	6458 N/mm <sup>2</sup>	4102 N/mm <sup>2</sup>	E 70	E 40
12 mm Beech/ Birch Combi	6539 N/mm <sup>2</sup>	6166 N/mm <sup>2</sup>	E 70	E 60
15 mm Beech/ Birch Combi	7771 N/mm <sup>2</sup>	5947 N/mm <sup>2</sup>	E 80	E 60
18 mm Beech/ Birch Combi	6319 N/mm <sup>2</sup>	4986 N/mm <sup>2</sup>	E 70	E 50
21 mm Beech/ Birch Combi	6438 N/mm <sup>2</sup>	5856 N/mm <sup>2</sup>	E 70	E 60
24 mm Beech/ Birch Combi	7780 N/mm <sup>2</sup>	6026 N/mm <sup>2</sup>	E 80	E 60
27 mm Beech/ Birch Combi	6530 N/mm <sup>2</sup>	6896 N/mm <sup>2</sup>	E 70	E 70
30 mm Beech/ Birch Combi	6281 N/mm <sup>2</sup>	6119 N/mm <sup>2</sup>	E 60	E 60

Bonding quality (moisture resistant)	Class 3 (EN 314-1)
Release of formaldehyde	E1
Reaction to fire	class D-s2, d0
Water vapour permeability m	NPD
Airborne sound insulation	NPD
Thermal conductivity l	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.

10.

Signed for on behalf of the manufacturer by:

Mladen Komitov – Production manager “Plywood”

( name and function)

(signature)

Troyan, 12.05.2025