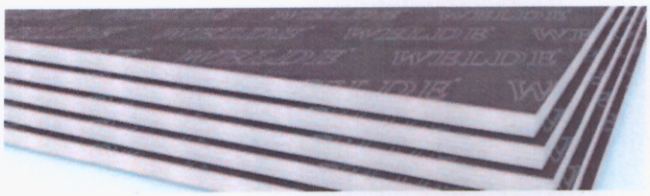


Declaration of Performance

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

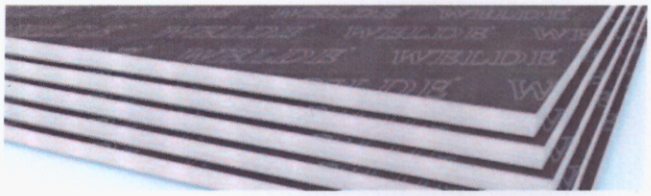
Poplar plywood with birch veneers on each face glued with phenol-formaldehyde resin; water resistant.

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, 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.

Richtergasse 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

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
		$f_{m\,II}$	$f_{m}{}^{\perp}$	$f_{m\,II}$	$f_{m}{}^{\perp}$	
Strenght for structural use (bending)	10 mm	36.2 N/mm²	23.6 N/mm²	F 20	F15	EN13986:2004+A1:2015
	12 mm	32.1 N/mm²	28.6 N/mm²	F 20	F 15	
	15 mm	32.0 N/mm²	28.5 N/mm²	F 20	F 15	
	18 mm	31.0 N/mm²	29.7 N/mm²	F 20	F 15	
	21 mm	31.3 N/mm²	23.3 N/mm²	F 20	F 15	
	24 mm	37.4 N/mm²	33.3 N/mm²	F 20	F 20	
	27 mm	39.1 N/mm²	34.3 N/mm²	F 25	F 20	
	30 mm	31.0 N/mm²	21.0 N/mm²	F 20	F 10	
	15 mm Twin	53.8 N/mm²	30.8 N/mm²	F 35	F 20	
	18 mm Twin	43.6 N/mm²	42.5 N/mm²	F 25	F 25	
	15 mm Bi-Ply	52.5 N/mm²	24.1 N/mm²	F 35	F 15	
	18 mm Bi-Ply	46.5 N/mm²	40.8 N/mm²	F 30	F 25	
	21 mm Bi-Ply	40.6 N/mm²	40.2 N/mm²	F 25	F 25	
	9 mm Beech/ Birch Combi	72.4 N/mm²	61.6 N/mm²	F 40	F 40	
	12 mm Beech/ Birch Combi	57.2 N/mm²	47.0 N/mm²	F 35	F 30	
	15 mm Beech/ Birch Combi	74.3 N/mm²	52.8 N/mm²	F 40	F 35	
	18 mm Beech/ Birch Combi	64.3 N/mm²	54.8 N/mm²	F 40	F 35	
	21 mm Beech/ Birch Combi	60.7 N/mm²	58.9 N/mm²	F 40	F 35	
	24 mm Beech/ Birch Combi	76.2 N/mm²	66.2 N/mm²	F 50	F 40	
	27 mm Beech/ Birch Combi	64.4 N/mm²	58.5 N/mm²	F 40	F 35	
	30 mm Beech/ Birch Combi	58.3 N/mm²	66.6 N/mm²	F 35	F 40	
Stiffness for structural use (bending)	10 mm	3413 N/mm²	2024 N/mm²	E 35	E 20	EN13986:2004+A1:2015
	12 mm	3049 N/mm²	2058 N/mm²	E 30	E 20	
	15 mm	3330 N/mm²	2766 N/mm²	E 35	E 30	
	18 mm	3330 N/mm²	1946 N/mm²	E 35	E 20	
	21 mm	4197 N/mm²	1943 N/mm²	E 40	E 20	
	24 mm	4156 N/mm²	3235 N/mm²	E 40	E 35	
	27 mm	4597 N/mm²	3949 N/mm²	E 50	E 40	
	30 mm	5068 N/mm²	3625 N/mm²	E 50	E 40	
	15 mm Twin	5999 N/mm²	3654 N/mm²	E 60	E 40	

18 mm Twin	5193 N/mm²	4152 N/mm²	E 50	E 40
15 mm Bi-Ply	5683 N/mm²	3029 N/mm²	E 60	E 30
18 mm Bi-Ply	5191 N/mm²	4238 N/mm²	E 50	E 40
21 mm Bi-Ply	4998 N/mm²	4534 N/mm²	E 50	E 50
9 mm Beech/ Birch Combi	6458 N/mm²	4102 N/mm²	E 70	E 40
12 mm Beech/ Birch Combi	6539 N/mm²	6166 N/mm²	E 70	E 60
15 mm Beech/ Birch Combi	7771 N/mm²	5947 N/mm²	E 80	E 60
18 mm Beech/ Birch Combi	6319 N/mm²	4986 N/mm²	E 70	E 50
21 mm Beech/ Birch Combi	6438 N/mm²	5856 N/mm²	E 70	E 60
24 mm Beech/ Birch Combi	7780 N/mm²	6026 N/mm²	E 80	E 60
27 mm Beech/ Birch Combi	6530 N/mm²	6896 N/mm²	E 70	E 70
30 mm Beech/ Birch Combi	6281 N/mm²	6119 N/mm²	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 pentachlorphenol (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