



Declaration of Performance

Date: 02.12.2024

WELDE FILM ROBUSTA

WELDE FILM TWIN

WELDE FILM BI-PLY

WELDE COMBI BEECH/ BIRCH

1. Unique identification code of the product type:

WELDE FILM ROBUSTA

WELDE FILM TWIN

WELDE FILM BI-PLY

WELDE COMBI BEECH/ BIRCH

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 COMBI BEECH/ BIRCH- 12 – 18 – 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
		$f_{m \parallel}$	$f_{m \perp}$	$f_{m \parallel}$	$f_{m \perp}$	
Strenght for structural use (bending)	10 mm	36.2 N/mm ²	23.6 N/mm ²	F 20	F 15	EN13986:2004+A1:2015
	12 mm	32.1 N/mm ²	28.6 N/mm ²	F 20	F 15	
	15 mm	32.0 N/mm ²	28.5 N/mm ²	F 20	F 15	
	18 mm	31.0 N/mm ²	29.7 N/mm ²	F 20	F 15	
	21 mm	31.3 N/mm ²	23.3 N/mm ²	F 20	F 15	
	24 mm	37.4 N/mm ²	33.3 N/mm ²	F 20	F 20	
	27 mm	39.1 N/mm ²	34.3 N/mm ²	F 25	F 20	
	30 mm	31.0 N/mm ²	21.0 N/mm ²	F 20	F 10	
	15 mm Twin	53.8 N/mm ²	30.8 N/mm ²	F 35	F 20	
	18 mm Twin	43.6 N/mm ²	42.5 N/mm ²	F 25	F 25	
	15 mm Bi-Ply	52.5 N/mm ²	24.1 N/mm ²	F 35	F 15	
	18 mm Bi-Ply	46.5 N/mm ²	40.8 N/mm ²	F 30	F 25	
	21 mm Bi-Ply	40.6 N/mm ²	40.2 N/mm ²	F 25	F 25	
	12 mm Combi Beech/Birch	57.2 N/mm ²	47.0 N/mm ²	F 35	F 30	
	18 mm Combi Beech/Birch	64.3 N/mm ²	54.8 N/mm ²	F 40	F 35	
	27 mm Combi Beech/Birch	64.4 N/mm ²	58.5 N/mm ²	F 40	F 35	
	30 mm Combi Beech/Birch	58.3 N/mm ²	66.6 N/mm ²	F 35	F 40	
Stiffness for structural use (bending)	10 mm	3413 N/mm ²	2024 N/mm ²	E 35	E 20	EN13986:2004+A1:2015
	12 mm	3049 N/mm ²	2058 N/mm ²	E 30	E 20	
	15 mm	3330 N/mm ²	2766 N/mm ²	E 35	E 30	
	18 mm	3330 N/mm ²	1946 N/mm ²	E 35	E 20	
	21 mm	4197 N/mm ²	1943 N/mm ²	E 40	E 20	
	24 mm	4156 N/mm ²	3235 N/mm ²	E 40	E 35	
	27 mm	4597 N/mm ²	3949 N/mm ²	E 50	E 40	
	30 mm	5068 N/mm ²	3625 N/mm ²	E 50	E 40	
	15 mm Twin	5999 N/mm ²	3654 N/mm ²	E 60	E 40	
	18 mm Twin	5193 N/mm ²	4152 N/mm ²	E 50	E 40	
	15 mm Bi-Ply	5683 N/mm ²	3029 N/mm ²	E 60	E 30	
	18 mm Bi-Ply	5191 N/mm ²	4238 N/mm ²	E 50	E 40	
	21 mm Bi-Ply	4998 N/mm ²	4534 N/mm ²	E 50	E 50	
	12 mm Combi Beech/Birch	6539 N/mm ²	6166 N/mm ²	E 70	E 60	
	18 mm Combi Beech/Birch	6319 N/mm ²	4986 N/mm ²	E 70	E 50	



	27 mm Combi Beech/ Birch	6530 N/mm ²	6896 N/mm ²	E 70	E 70	
	30 mm Combi Beech/ Birch	6281 N/mm ²	6119 N/mm ²	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.

Signed for on behalf of the manufacturer by:

Mladen Komitov – Production manager “Plywood”

(name and function)

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(signature)

Troyan, 02.12.2024