

DECLARATION OF PERFORMANCE

30.04.2024

WELDE FILM ROBUSTA

WELDE ROBUSTA

WELDE FILM TWIN

WELDE FILM BI-PLY

WELDE COMBI BEECH/BIRCH

1. Unique identification code of the product type:

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

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

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;

WELDE COMBI BEECH/BIRCH-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.
PRATERSTRASSE 60/1/2, A-1020 Wien, Austria
tel.: +43 (1) 203 28 50 ; +43 (1) 203 28 50
Fax.: +43 (1) 203 28 50/ 20 ; e-mail: verkauf@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			Performance	Harmonised technical specification
Strenght for structural use (bending)	f_{mII} thickness	10 mm	36.2 N/mm ²	
		12 mm	32.1 N/mm ²	
		15 mm	32.0 N/mm ²	
		18 mm	31.0 N/mm ²	
		21 mm	31.3 N/mm ²	
		24 mm	37.4 N/mm ²	
		27 mm	39.1 N/mm ²	
		30 mm	31.0 N/mm ²	
		15 mm twin	53.8 N/mm ²	
		18 mm twin	43.6 N/mm ²	
		15 mm bi-ply	52.5 N/mm ²	
		21 mm bi-ply	40.6 N/mm ²	
		18 mm combi beech/birch	64.3 N/mm ²	
		27 mm combi beech/birch	64.4 N/mm ²	
		30 mm combi beech/birch	58.3 N/mm ²	

	$f_{m \perp}$ thickness	10 mm	23.6 N/mm ²	
		12 mm	28.6 N/mm ²	
		15 mm	28.5 N/mm ²	
		18 mm	29.7 N/mm ²	
		21 mm	23.3 N/mm ²	
		24 mm	33.3 N/mm ²	
		27 mm	34.3 N/mm ²	
		30 mm	21.0 N/mm ²	
		15 mm twin	30.8 N/mm ²	
		18 mm twin	42.5 N/mm ²	
		15 mm bi-ply	24.1 N/mm ²	
		21 mm bi-ply	40.2 N/mm ²	
		18 mm combi beech/birch	54.8 N/mm ²	
		27 mm cimbi beech/ birch	58.5 N/mm ²	
		30 mm combi beech/ birch	66.6 N/mm ²	
Stiffness for structural use (bending)	$E_{m \parallel}$ thickness	10 mm	3413 N/mm ²	EN13986:2004+A1:2015
		12 mm	3049 N/mm ²	
		15 mm	3330 N/mm ²	
		18 mm	3330 N/mm ²	
		21 mm	4197 N/mm ²	
		24 mm	4156 N/mm ²	
		27 mm	4597 N/mm ²	
		30 mm	5068 N/mm ²	
		15 mm twin	5999 N/mm ²	
		18 mm twin	5193 N/mm ²	
		15 mm bi-ply	5683 N/mm ²	
		21 mm bi-ply	4998 N/mm ²	
		18 mm combi beech/birch	6319 N/mm ²	
		27 mm combi beech/birch	6530 N/mm ²	
		30 mm combi beech/birch	6281 N/mm ²	
	$E_{m \perp}$ thickness	10 mm	2024 N/mm ²	
		12 mm	2058 N/mm ²	
		15 mm	2766 N/mm ²	
		18 mm	1946 N/mm ²	
		21 mm	1943 N/mm ²	
		24 mm	3235 N/mm ²	
		27 mm	3949 N/mm ²	
		30 mm	3625 N/mm ²	
		15 mm twin	3654 N/mm ²	
		18 mm twin	4152 N/mm ²	
		15 mm bi-ply	3029 N/mm ²	
		21 mm bi-ply	4534 N/mm ²	
		18 mm combi beech/birch	4986 N/mm ²	
		27 mm combi beech/birch	6896 N/mm ²	
		30 mm combi beech/birch	6119 N/mm ²	
Bonding quality (moisture resistant)			Class 3 (EN 314-1)	
Release of formaldehyde			E1	
Reaction to fire			class D-s2, d0	

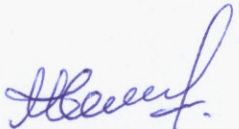
Water vapour permeability μ	NPD	
Airborne sound insulation	NPD	
Thermal conductivity λ	NPD	
Mechanical durability	NPD	
Biological durability	NPD	
Release (content) of pentachlorophenol (PCP)	No content	

*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, 30.04.2024