

## Declaration of Performance

DOP Number/Edition: 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**

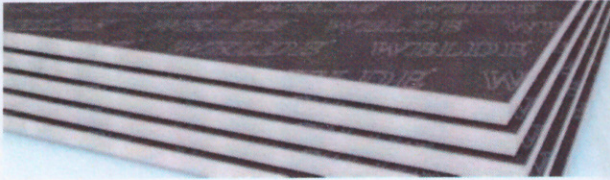
Poplar plywood with birch veneers on each face glued with phenol-formaldehyde resin; water resistant.

**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): №305/2011:

**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): №305/2011:

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

Richtergasse 7/1, A-1070 Wien, Austria

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

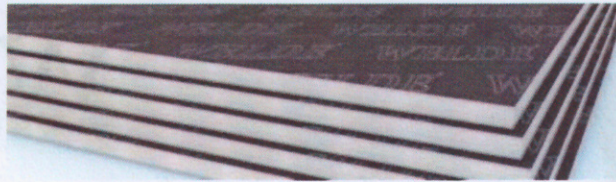
Fax.: +43 (1) 203 28 50/ 20 ; e-mail: [plywood@welde.at](mailto:plywood@welde.at)

6. System or systems of assessment and verification of constancy of performance of the construction products as set out in Regulation (EU): №305/2011 on construction products, Annex V:

**System 2+**

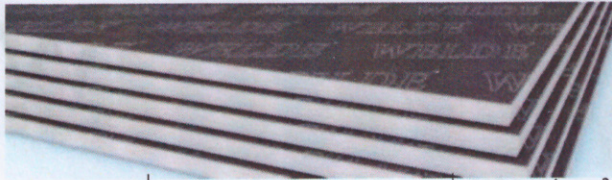
7. In case of the declaration of performance concerning a construction product covered by harmonized standard:

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 |
|----------------------------------------|--------------------------|------------------------|------------------------|-----------|--------------|------------------------------------|
|                                        |                          | $f_{m  }$              | $f_{m\perp}$           | $f_{m  }$ | $f_{m\perp}$ |                                    |
| Strength 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.

Signed for on behalf of the manufacturer by:

Mladen Komitov – Production manager “Plywood”

( name and function)

(signature)

Troyan, 12.05.2025