Plyterra, JSC
1 Leninskaya Street
431105 Umet
Zubovo- Polyanskiy Region
Russia

# DECLARATION OF PERFORMANCE

**1. Unique identification code of the product-type:**

**01 – 01**: Birch Plywood 636-3S, F 60/40 E 80/20, Unfaced, 4 - 9 мм
**01 – 02**: Birch Plywood 636-3S, F 60/40 E 80/20, Unfaced, 10 – 40 мм
**02 – 01**: Birch Plywood 636-3S, F 60/40 E 80/20, Faced, 4 - 9 мм
**02 – 02**: Birch Plywood 636-3S, F 60/40 E 80/20, Faced, 10 – 40 мм

**2. Intended use:**
For structural use in exterior conditions, EN 636-3S

**3. Manufacturer:**
Plyterra, JSC
1 Leninskaya Street
431105 Umet, Russia
Tel.: +7 8342 560266
Fax: +7 8342 560126
E-Mail: office@plyterra.ru

**4. System of AVCP:**
System 2+

**5. a) Harmonised standard:**
EN 13986:2004+A1:2015

**Notified body:**
0765
Fraunhofer-Institut für Holzforschung Wilhelm-Klauditz-Institut WKI
Bienroder Weg 54E
D-38108 Braunschweig

**6. Declared performance according to EN 13986:2004+A1:2015:**

**DOP № 01 – 01**

**for product Birch Plywood 636-3S, F 60/40 E 80/20, Unfaced, 4 - 9 мм**

| Characteristics | Symbols | Minimum value | | According to Standard |
|---|---|---|---|---|
| Bending strength | $F_{m.0,K}$ | > 60 N/mm² | | EN 12369-2 |
| Bending strength | $F_{m.90,K}$ | > 40 N/mm² | | |
| Mean bending E-modulus | $E_{m,0,mean}$ | > 8500 N/mm² | | |
| Mean bending E-modulus | $E_{m,90,mean}$ | > 2200 N/mm² | | |
| Modulus of rigidity of panel shear | $f_{v,,K}$ | 3,0 N/mm² | | |
| Modulus of rigidity of panel shear | $G_{v.mean}$ | 300 N/mm² | | |
| Strength of planar shear | $f_{r,K}$ | 0,5 N/mm² | | |
| Modulus of rigidity of planar shear | $G_{r,mean}$ | 20 N/mm² | | |
| Moisture Content | $H$ | 5 - 10 % | | EN 322 |
| Density | $\delta$ | ≥ 650 kg/m³ | | EN 323 |
| Bonding Quality | | Class 3 | | EN 314-2 |
| Reaction to Fire | | E | | EN 13986:2004+A1:2015/ 13501-1 |
| Determination of dimensions | | | | EN 324 |
| Formaldehyde | | E1 | | EN 13986:2004+A1:2015 |
| Water permeability | $\mu$ | 70 Wet cup | 200 Dry cup | EN 13986:2004+A1:2015 |
| Airborne sound insulation | $dB$ | NPD | | |
| Sound absorption | | NPD | | |
| Thermal conductivity | $p$ | 0,16 W (mk) | | EN 13986:2004+A1:2015 |
| Embedment strength | $f_h$ | NPD | | |
| Air permeabiliy | $f$ | NPD | | |

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**DOP № 01 – 02**

**for product Birch Plywood 636-3S, F 60/40 E 80/20, Unfaced, 10 – 40 мм**

| Characteristics | Symbols | Minimum value | | According to Standard |
|---|---|---|---|---|
| Bending strength | $F_{m.0,K}$ | > 60 N/mm² | | EN 12369-2 |
| Bending strength | $F_{m.90,K}$ | > 40 N/mm² | | |
| Mean bending E-modulus | $E_{m,0,mean}$ | ≥ 8500 N/mm² | | |
| Mean bending E-modulus | $E_{m,90,mean}$ | ≥ 2200 N/mm² | | |
| Modulus of rigidity of panel shear | $f_{v,,K}$ | 3,0 N/mm² | | |
| Modulus of rigidity of panel shear | $G_{v.mean}$ | 300 N/mm² | | |
| Strength of planar shear | $f_{r,K}$ | 0,5 N/mm² | | |
| Modulus of rigidity of planar shear | $G_{r,mean}$ | 20 N/mm² | | |
| Moisture Content | $H$ | 5 - 10 % | | EN 322 |
| Density | $\delta$ | ≥ 650 kg/m³ | | EN 323 |
| Bonding Quality | | Class 3 | | EN 314-2 |
| Reaction to Fire | | D-s2, do | | EN 13986:2004:A1:2015 /13501-1 |
| Determination of dimensions | | | | EN 324 |
| Formaldehyde | | E1 | | EN 13986:2004+A1:2015 |
| Water permeability | $\mu$ | 70 Wet cup | 200 Dry cup | EN 13986:2004+A1:2015 |
| Airborne sound insulation | $dB$ | NPD | | |
| Sound absorption | | NPD | | |
| Thermal conductivity | $p$ | 0,16 W (mk) | | EN 13986:2004+A1:2015 |
| Embedment strength | $f_h$ | NPD | | |
| Air permeabiliy | $f$ | NPD | | |

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**DOP № 02 – 01**

**Birch Plywood 636-3S, F 60/40 E 80/20, Faced, 4 - 9 мм**

| Characteristics | Symbols | Minimum value | | According to Standard |
|---|---|---|---|---|
| Bending strength | $F_{m.0,K}$ | > 60 N/mm² | | EN 12369-2 |
| Bending strength | $F_{m.90,K}$ | > 40 N/mm² | | |
| Mean bending E-modulus | $E_{m,0,mean}$ | > 8500 N/mm² | | |
| Mean bending E-modulus | $E_{m,90,mean}$ | > 2200 N/mm² | | |
| Modulus of rigidity of panel shear | $f_{v,,K}$ | 3,0 N/mm² | | |
| Modulus of rigidity of panel shear | $G_{v.mean}$ | 300 N/mm² | | |
| Strength of planar shear | $f_{r,K}$ | 0,5 N/mm² | | |
| Modulus of rigidity of planar shear | $G_{r,mean}$ | 20 N/mm² | | |
| Moisture Content | $H$ | 5 - 10 % | | EN 322 |
| Density | $\delta$ | ≥ 650 kg/m³ | | EN 323 |
| Bonding Quality | | Class 3 | | EN 314-2 |
| Reaction to Fire | | E | | EN 13986:2004:A1:2015 /13501-1 |
| Determination of dimensions | | | | EN 324 |
| Formaldehyde | | E1 | | EN 13986:2004+A1:2015 |
| Water permeability | $\mu$ | 70 Wet cup | 200 Dry cup | EN 13986:2004+A1:2015 |
| Airborne sound insulation | $dB$ | NPD | | |
| Sound absorption | | NPD | | |
| Thermal conductivity | $p$ | 0,16 W (mk) | | EN 13986:2004+A1:2015 |
| Embedment strength | $f_h$ | NPD | | |
| Air permeabiliy | $f$ | NPD | | |

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**DOP № 02 – 02**

**for product Birch Plywood 636-3S, F 60/40 E 80/20, Faced, 10 – 40 мм**

| Characteristics | Symbols | Minimum value | | According to Standard |
|---|---|---|---|---|
| Bending strength | $F_{m.0,K}$ | > 60 N/mm² | | EN 12369-2 |
| Bending strength | $F_{m.90,K}$ | > 40 N/mm² | | |
| Mean bending E-modulus | $E_{m,0,mean}$ | ≥ 8500 N/mm² | | |
| Mean bending E-modulus | $E_{m,90,mean}$ | ≥ 2200 N/mm² | | |
| Modulus of rigidity of panel shear | $f_{v,,K}$ | 3,0 N/mm² | | |
| Modulus of rigidity of panel shear | $G_{v.mean}$ | 300 N/mm² | | |
| Strength of planar shear | $f_{r,K}$ | 0,5 N/mm² | | |
| Modulus of rigidity of planar shear | $G_{r,mean}$ | 20 N/mm² | | |
| Moisture Content | $H$ | 5 - 10 % | | EN 322 |
| Density | $\delta$ | ≥ 650 kg/m³ | | EN 323 |
| Bonding Quality | | Class 3 | | EN 314-2 |
| Reaction to Fire | | D-s2, do | | EN 13986:2004:A1:2015 /13501-1 |
| Determination of dimensions | | | | EN 324 |
| Formaldehyde | | E1 | | EN 13986:2004+A1:2015 |
| Water permeability | $\mu$ | 70 Wet cup | 200 Dry cup | EN 13986:2004+A1:2015 |
| Airborne sound insulation | $dB$ | NPD | | |
| Sound absorption | | NPD | | |
| Thermal conductivity | $p$ | 0,16 W (mk) | | EN 13986:2004+A1:2015 |
| Embedment strength | $f_h$ | NPD | | |
| Air permeabiliy | $f$ | NPD | | |

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011 under the sole responsibility of the manufacturer identified above.

Signed and on the behalf of the manufacturer by:

Dina Churinova, Head of Quality Control Department

At Umet on December 15, 2020

Signature _____