

The 1st April 2020

Declaration of Performance

TC-RE-E-001-DOP-04

a. Identification of product type

TC-RE-E-001-0036, TC-RE-E-001-005, TC-RE-E-001-008, TC-RE-E-001-009, TC-RE-E-001-010, TC-RE-E-001-012, TC-RE-E-001-015, TC-RE-E-001-018, TC-RE-E-001-022, TC-RE-E-001-025,

Treecraft Red Plus plywood is durable hardwood plywood with a combination of poplar and eucalyptus as core and engineered defect free veneers. The following thicknesses have been tested and assessed under this certificate. 3.6mm, 5mm, 8mm, 9mm, 10mm, 12mm, 15mm, 18mm, 22mm, 25mm

b. Intended uses:

These wood panels should be out of direct contact with the ground, soil or water.

The product is considered to meet the minimum relevant requirements as outlined in the standard "Plywood acc. to EN 636:2012+A1:2015, **Technical class EN 636-2 for humid use as a non-structural or a structural component** **Product Specification with code 2119124-002**. For example, joinery, furniture and for laminating.

c. Supplier & authorized representative:

Product placed on the market under the name of

TREECRAFT NV
Attn. David Holvoet – sales@treecraft.be
Pathoekeweg 130-1
8000 Brugge
Belgium

Produced in the manufacturing plant, plant 2.

d. Harmonized norm

This plant has been certified to be compliant with all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the Standard EN 13986:2004+A1:2015.

e. AVCP system (Assessment and verification of constancy of performance)

System 2+ for constant performance verification are applied and it is certified that the factory production control full-fill all the prescribed requirements to assure constant performances.

f. Notified body

Entwicklungs- und Prüflabor Holztechnologie GmbH
Zellescher Weg 24
01217 Dresden
Country : Germany

Phone : +49 (0) 351 46620
Fax : +49 (0) 351 4662 211

Email : info@eph-dresden.de
Website : www.eph-dresden.de

Notified Body number : 0766

g. Essential characteristics Performance characteristics

G.1. Bending strength

- Used standard: EN310

			Thickness								
Testing item	Unit		3.6mm 5mm	8mm	9mm	10mm	12mm	15mm	18mm	22mm	25 mm
0 degrees	N/mm2	Class	NPD	F10	F10	F10	F10	F20	F25	F30	F35
		Av. Value	NPD	15	15.3	16	16.3	30.5	38.8	45	55
90 degrees		Class	NPD	F10	F10	F10	F15	F25	F30	F35	F40
		Av. Value	NPD	15.5	15.5	16.2	23	38	45	52.2	61

G.2. Bending stiffness – modulus of elasticity in bending

- Used standard: EN310

			Thickness								
Testing item	Unit		3.6mm 5mm	8mm	9mm	10mm	12mm	15mm	18mm	22mm	25 mm
0 degrees	N/mm2	Class	NPD	E15	E15	E15	E25	E25	E30	E35	E40
		Av. Value	NPD	1500	1700	1355	2400	2353	2750	3200	3750
90 degrees		Class	NPD	E20	E20	E20	E30	E30	E35	E40	E50
		Av. Value	NPD	1820	1930	1805	2990	2980	3160	3611	4500

G.3. Bonding quality

- Used standard: Sampling prepared according to EN314-1/5.1.4.
Test results according to EN314-2

Testing item	Unit	Thickness									
		3.6mm	5mm	8mm	9mm	10mm	12mm	15mm	18mm	22mm	25mm
Mean shear strength	N/mm2	0.91	0.82	0.93	0.76	0.97	1.13	1.06	1.12	0.87	0.97
Mean apparent cohesive wood failure in %	%	70%	45%	48%	70%	60%	70%	70%	50%	48%	49%

G.5. Release of formaldehyde

Based on the ISO12460-3 these products do not contain any substances as defined in the EU database of dangerous substances apart from formaldehyde. The formaldehyde release (mg/m2h) qualifies as E1.

G.6. Density

Average density of 515 kg/m3 measured according the standard EN323

G.7. Dimension:

Thickness tolerance and squareness conform EN 315

This declaration of performance is issued by Treecraft n.v. based on the production and specifications as provided by plant 2.

Date: 1st April 2020

Place: Shanghai, China

Signature:


