

Declaration of Performance

No. SDDQ2024012

1.	Unique Identification code of product type	No.No. SDDQ2024012
2.	Intended use(s): Technical class(es): Thickness range:	Plywood for external conditions use as a structural component EN 636-3 4mm - 40.0 mm
3.	Manufacturer (Adress)	Shandong Daqian New Material Technology Co., Ltd. 9 Friendship Road, Industrial Park, Zhaoxian Town, Juxian County, Rizhao, City, Shandong Province Post Code 276526
4.	Authorised representative (optional)	(X)
5.	System of Assessment and Verification of Constancy of Performance (AVCP)	System 2+
6.	Harmonized standard	EN 13986:2004+A1:2015
	Notified body	EPH Dresden GmbH (notified body 0766)

7. Declared performances

Essential characteristics (acc. to table ZA. 1.1 in annex ZA of the EN 13986:2004+A1:2015)		Performance	Harmonized technical specification
Bending strength (acc. to EN 636) in length direction ($f_{m,0}$) / width direction ($f_{m,90}$)	class	F30/F20	EN 13986:2004 +A1:2015
Modulus of elasticity in bending (stiffness in bending acc. to EN 636) in length direction ($E_{m,0}$) / width direction ($E_{m,90}$)	class	E40/E30	
Characteristic strength values in bending $f_{m,05}$ (0/90) ($f_{m,0}/f_{m,90}$)	N/mm ²	NPD	
Characteristic strength values in tension, compression $f_{t-c,05}$ (0/90) ($f_{t-c,0}/f_{t-c,90}$)	N/mm ²	NPD	
Characteristic strength in shear (0/90) (f_v/f_g)	N/mm ²	NPD	
Stiffness in bending $E_{m,50}$ (0/90) ($E_{m,0}/E_{m,90}$)	N/mm ²	NPD	
Stiffness in tension, compression $E_{t-c,50}$ (0/90) ($E_{t-c,0}/E_{t-c,90}$)	N/mm ²	NPD	
Stiffness in shear (0/90) (G_v/G_g)	N/mm ²	NPD	
Punching shear (for floor and roofs) as point load strength and point load stiffness	N and N/mm ²	NPD	
Racking resistance (for walls)	N and N/mm ²	NPD	
Impact resistance (for floors, roofs and walls)	class	NPD	
Reaction to fire	class	E	
Water vapour permeability (μ)	value	NPD	
Release of formaldehyde (expressed as class E1 or E2)	class	E1	
Release (content) of pentachlorophenol (PCP)	ppm	NPD	
Airborne sound insulation (R)	dB	NPD	
Sound absorption (factor α)	value	NPD	
Thermal conductivity (λ)	W/(m*K)	NPD	
Embedment strength (f_n)	N/mm ²	NPD	
Air permeability (V_0)	m ³ /h	NPD	
Durability	Bonding strength (expressed as bonding classes 1, 2 or 3) (acc. to EN 314-1, 2)	class	class 3
	Internal bond	N/mm ²	NPD
	Swelling thickness	%	NPD
	Moisture resistance	class	class 3
	Mechanical (i.e. duration of load creep) - modification factors k_{mod} and k_{def}	value	NPD
	Biological	use class	NPD

*NPD...No Performance Determined

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

Signed for and on behalf of the manufactured by:

DUWENLIN /Manager
name and function

SHANDONG, DEC 20, 2024

place and date of issue

杜文林
signature

signature