

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 <small>(acc. to table ZA. 1.1 in annex ZA of the EN 13986:2004+A1:2015)</small>	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

