



DECLARATION OF PERFORMANCE (DoP)

For LoftZone 1220x320x18mm P4 loft boards (DoP001)

1. PRODUCT TYPE

Particleboard type P4 as shown in EN312-4 testing.

2. INTENDED USE

Flooring and load bearing boards for use in dry conditions.

3. SYSTEM OF ASSESSMENT AND VERIFICATION OF CONSTANCY OF PERFORMANCE OF THE CONSTRUCTION PRODUCT, ACCORDING TO ANNEX V OF EU REGULATION No 305/2011

System 2+

4. HARMONISED STANDARD

EN 13986:2004+ A1:2015

Wood based panels for use in construction.
Characteristics, evaluation of conformity and marking.

5. STRUCTURAL TESTING

EN 13871:2013

Wood based panels for use in structural application for load bearing activities.
Characteristics, evaluation of conformity and marking.

6. DECLARED PERFORMANCE

PERFORMANCE CHARACTERISTIC	UNITS	THICKNESS (mm)						STANDARD
		>10-13	>13-20	>20-25	>25-32	>32-40	>40	
Bending strength	N/mm ²	16	15	13	11	9	7	EN 310
Module of elasticity	N/mm ²	2300	2300	2050	1850	1500	1200	EN 310
Internal bond	N/mm ²	0.40	0.35	0.30	0.25	0.20	0.20	EN 319
Surface soundness	N/mm ²	1.0	1.0	1.0	1.0	1.0	1.0	EN 311
Swelling in thickness 24h	%	16	15	15	15	14	14	EN 317
Formaldehyde content	Class	E1 (≤ 8 mg/100 g dry board)						EN ISO 12460-5
Reaction to fire	Class	D-s2, d0 (for boards with minimum 600 Kg/m ³ density and minimum 9mm thickness, without air space behind)						EN 13986
<u>Water vapour permeability</u> Mean density 600 kg/m ³ Mean density 900 kg/m ³		<u>μ wet</u> 15 20		<u>μ dry</u> 50 50				EN 13986
Thermal conductivity	W/(m-K)	<u>Density=600kg/m³</u> λ = 0.12			<u>Density=900kg/m³</u> λ = 0.18			EN 13986
Sound absorption		<u>250 – 500 Hz</u> 0.10			<u>1000 – 2000 Hz</u> 0.25			EN 13986
Airbourne sound insulation	dB	R – 13 x lg (m _A) + 14 M _A = mean surface mass in kg/m ²						EN 13986
Biological insulation	Class	Use class 1						EN 335
Content of pentachlorophenol (PCP)	ppm	≤ 5						EN 13986

Signed for and on behalf of the distributor:

Dave Raval

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16th April 2024