



# DECLARATION OF PERFORMANCE (DoP)

For LoftZone 1220x320x18mm P5 loft boards (DoP001)

## 1. PRODUCT TYPE

Particleboard type P5 as shown in EN312-5 testing.

## 2. INTENDED USE

Flooring and load bearing boards for use in humid 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
		>6-10	>10-13	>13-20	>20-25	>25-32	
Bending strength	N/mm <sup>2</sup>	18	18	16	14	12	EN 310
Module of elasticity	N/mm <sup>2</sup>	2550	2550	2400	2150	1900	EN 310
Internal bond	N/mm <sup>2</sup>	0.45	0.45	0.45	0.40	0.35	EN 319
Internal bond (after boil test)	N/mm <sup>2</sup>	0.15	0.15	0.14	0.12	0.11	EN 311
Swelling in thickness 24h	%	12	11	10	10	10	EN 1087-1
Formaldehyde content	Class	E1 (≤ 5.3 mg/100 g dry board)					EN ISO 12460-5
Reaction to fire	Class	D-s2, d0 (for boards with minimum 600 Kg/m <sup>3</sup> density and minimum 9mm thickness, without air space behind)					EN 13986
<u>Water vapour permeability</u> Mean density 600 kg/m <sup>3</sup> Mean density 900 kg/m <sup>3</sup>		<u>μ wet</u> 15 20		<u>μ dry</u> 50 50		EN 13986	
Thermal conductivity	W/(m-K)	<u>Density=600kg/m<sup>3</sup></u> λ = 0.12		<u>Density=900kg/m<sup>3</sup></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 <sub>A</sub> ) + 14 M <sub>A</sub> = mean surface mass in kg/m <sup>2</sup>					EN 13986
Biological durability	Class	Use class 1					EN 335-3
Content of pentachlorophenol (PCP)	ppm	≤ 5					EN 13986

Signed for and on behalf of the distributor:

*Dave Raval*

**Dave Raval**

16<sup>th</sup> April 2024