

DECLARATION OF PERFORMANCE
DoP Reference number: - NP4LPDoPv4
Norbord Europe Ltd
Station Road
Cowie
Stirling
FK7 7BQ

Unique Identification code of the product type*	Intended Use	Systems of AVCP	Notified Body	Harmonised standard
P4 18mm*	Internal use as structural components in dry conditions	2+	1224	EN13986:2004 +A1:2015
*The unique identification code of the product type is a combination of the technical class and the individual product's nominal thickness				

Declared performance (covering P4 18mm*)

Essential characteristics	Performance
Thickness range	18 1200x300 T&G 2 edges
Characteristic Strength (N/mm ²)	
- Bending f_m	12.5
- Compression f_c	11.1
- Tension f_t	7.9
- Panel Shear f_v	6.1
- Planar shear f_r	1.6
Mean Stiffness (MOE) (N/mm ²)	
- Tension E_t	1700
- Compression E_c	1700
- Bending E_m	2900
- Panel Shear G_v	830
Characteristic strength under point load $F_{max,k}$ (kN) <i>(for floors and roofs)</i>	NPD
Mean stiffness under point load (N/mm) <i>(for floors and roofs)</i>	NPD
Characteristic serviceability strength under point load $F_{ser,k}$ (kN) <i>(for floors and roofs)</i>	NPD
Racking resistance <i>(for walls)</i>	NPD
Soft Body Impact resistance Floor/roofs Walls	NPD
Reaction to fire	D-s2,d0
Water vapour permeability μ	NPD
Release of formaldehyde	E1
Release (content) of pentachlorophenol (PCP)	≤5ppm

Airborne sound insulation (surface mass) (R)	NPD				
Sound absorption Frequency range 250Hz to 500Hz (α)	0.1				
Sound absorption Frequency range 1000Hz to 2000Hz (α)	0.25				
Thermal conductivity λ	NPD				
Durability					
Internal bond (N/mm²)	0.35				
Swelling in thickness (%)	15				
Mechanical (creep k_{def}) service class 1	2.25				
Mechanical (duration of load k_{mod})	Action Mode				
	Permanent	Long Term	Medium Term	Short Term	Instantaneous
Service class 1	0.3	0.45	0.65	0.85	1.1
Biological	Use Class 1				

The performance of the product identified is in conformity with the declared performance.

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 manufacturer by:

Nick Fedo

At: - Cowie, Scotland

On: - 06-04-17

