CE					
West Fraser Europe Ltd					
Station Road					
Cowie					
Stirling					
Scotland					
FK7 7BQ					
DoP ref: NP5StrebordDoPv9					
EN13986:2004 +A1:2015					
2812					
04					
E1					
P5					
38mm T&G					
Structural use in humid conditions					

Performance
Thickness(mm)
38mm T&G at 600mm Centres
8.3
8.5
5.6
4.8
1.2
1400
1400
2400
690
12.54
1960
NPD
NPD
Impact Class 1, Pass, Floor
NPD

		Minimum thickness	Class (excluding floorings)g	Class (Flooring) ^h
	Without an air gap behind the panel ^{abef}	9	D-s2,d0	C _{fl} ,s1
² Reaction to fire (see notes to table for field of	With a closed or open air gap ≤ 22mm behind the panel ^{cef}	9	D-s2,d2	-
	Closed air gap behind the panel def	15	D-s2,d0	C _{fl} ,s1
	With an open air gap behind the panel def	18	D-s2,d0	C _{fl} ,s1
	Any end use ef	3	E	Efl
application details and associated documentation references)	a -Mounted without an air gap directly against class A1 or A2-s1, d0 products with minimum density 10kg/m3 or at least class D-s2, d2 products with minimum density 400 kg/m3. b -A substrate of cellulose insulation material of at least class E may be included if mounted directly against the wood-based panel, but not for floorings.			

- c -Mounted with an air gap behind. The reverse face of the cavity shall be at least class A2-s1, d0 products with minimum density 10 kg/m3.
- d -Mounted with an air gap behind. The reverse face of the cavity shall be at least class D-s2, d2 products with minimum density 400 kg/m3.
- e -Veneered, phenol- and melamine-faced panels are included for class excl. floorings.
- f -A vapour barrier with a thickness up to 0,4 mm and a mass up to 200 g/m² can be mounted in between the wood-based panel and a substrate if there are no air gaps in between.
- g -Class Provided for in Table 1 of the Annex to decision 2000/147/EC
- h -Class Provided for in Table 2 of the Annex to decision 2000/147/EC

Essential characteristics			Performance	е			
Water vapour permeability μ		NPD					
Release of formaldehyde		E1					
Release (content) of pentachlorophenol (PCP)		≤5ppm					
Airborne sound insulation (surface mass) R (dB)		NPD					
³ Sound absorption Frequency range 250Hz to 500Hz (α)		0.1					
³ Sound absorption Frequency range 1000Hz to 2000Hz (α)		0.25					
Thermal conductivity λ (W/m.K)		NPD					
Air Permeability V ₀ (m3/h)		NPD					
	Durability						
Internal bond (N/mm²)		0.30					
Swelling in thickness (%)		9					
Internal bond after cyclic test (N/mm²)		0.15					
Swelling in thickness after cyclic test (%)		9					
⁴ Mechanical (creep k _{def}) Service class 1		2.25					
⁴ Mechanical (creep k _{def}) Service class 2		3					
Mechanical (duration of load k _{mod})		Action Mode					
	Permanent	Long Term	Medium Term	Short Term	Instantaneous		
Service Class 1	0.30	0.45	0.65	0.85	1.1		
Service Class 2	0.20	0.30	0.45	0.60	0.80		
Biological		Use classes 1 & 2					

NOTES TO TABLE

1 Taken from EN 12369-1:2001

2 reaction to fire classes from Table 1 of Commission Decision 2003/43/EC of January 2003 (OJEU L13 of 18.1.2003) corrected by Corrigendum (OJEU L33 of 8.2.2003) and amended by Commission decision 2007/348/EC of May 2007 (OJEU L131 of 23-05-2007); also reproduced in Table three of EN 13986:2004+A1:2015 for wood-based panels installed according to CEN/TR 12872

3 Taken from Table 10 of EN 13986:2004+A1:2015

4 Taken from Eurocode 5 EN 1995-1-1 2004+A2:2014