UK CA						
West Fraser Europe Ltd						
Station Road						
Cowie						
Stirling						
Scotland						
FK7 7BQ						
DoP ref: NMDF_UKCA_DoPv3						
EN13986:2004 +A1:2015						
21						
E1						
MDF						
>4mm to 38mm						
Non-Structural use in dry conditions						

Essential characteristics	Performance							
Thickness range	>4 to 6	>6 to 9	>9 to 12	>12 to 19	>19 to 30	<>30 to 45		
1 Water vapour permeability μ	NPD	NPD	NPD	NPD	NPD	NPD		
Release of formaldehyde	E1	E1	E1	E1	E1	E1		
Release (content) of pentachlorophenol (PCP)	≤5ppm	≤5ppm	≤5ppm	≤5ppm	≤5ppm	≤5ppm		
² Airborne sound insulation (surface mass) R (dB)	NPD	NPD	NPD	NPD	NPD	NPD		
³ Sound absorption Frequency range 250Hz to 500Hz (α)	0.1	0.1	0.1	0.1	0.1	0.1		
³ Sound absorption Frequency range 1000Hz to 2000Hz (α)	0.2	0.2	0.2	0.2	0.2	0.2		
⁴ Thermal conductivity λ (W/m.K)	NPD	NPD	NPD	NPD	NPD	NPD		
Air Permeability V ₀ (m3/h)	NPD	NPD	NPD	NPD	NPD	NPD		
Durability								
Internal bond (N/mm ²)	0.65	0.65	0.60	0.55	0.55	0.50		
Swelling in thickness (%)	30	17	15	12	10	8		
Biological	Use Class 1							

		Minimum thickness	Class (excluding floorings) ^g	Class (Flooring) ^h		
	Without an air gap		noorings)°			
		9				
	behind the panel abef	9	D-s2,d0	D _{fl} ,s1		
⁵ Reaction to fire	With a closed or					
	open air gap ≤	9				
(see notes to table for field of	22mm behind the	9	D-s2,d2	-		
application details and associated	panel cef					
documentation references)	Closed air gap	15	D -2 -10	D _{fl} ,s1		
	behind the panel def	15	D-s2,d0			
	With an open air					
	gap behind the	18	D-s2,d0	D _{fl} ,s1		
	panel def					
	Any end use ^{ef}	3	E	E _{fl}		
	a Mounted without an air gap directly against class A1 or A2-s1, d0 products with minimum density 10kg/m ³ or at least class D-s2, d2 products with minimum density 400 kg/m ³ . 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/m ³ . 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/m ³ . e Veneered, phenol- and melamine-faced panels are included for class excl. floorings. fA vapour barrier with a thickness up to 0,4 mm and a mass up to 200 g/m ² 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					
1 Taken from Table 9 of EN 13986:200 2 Calculated according to clause 5.10 3 Taken from Table 10 of EN 13986:20 4 Taken from Table 11 of EN 13986:20 5 reaction to fire classes from Table 1 Corrigendum (OJEU L33 of 8.2.2003) a	04+A1 of EN 13986:2004+A1 004+A1 004+A1 of Commission Decision 2					

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 8 of EN 13986:2004+A1:2015 for wood-based panels installed according to CEN/TR 12872