| UK |
|----------------------------------|
| West Fraser Europe Ltd |
| Station Road |
| Cowie |
| Stirling |
| Scotland |
| FK7 7BQ |
| DoP ref: NP4LP_UKCA_DoPv4 |
| EN13986:2004 +A1:2015 |
| 1224 |
| 21 |
| E1 |
| P4 |
| 10mm to 38mm |
| Structural use in dry conditions |

| Essential characteristics | Performance |
|---|-----------------------------------|
| | Thickness(mm) |
| | 18mm 1220x0320/0325mm T&G 2 edges |
| ¹Characteristic Strength (N/mm²) | |
| - Bending f_m | 12.5 |
| - Compression f_c | 11.1 |
| - Tension f_t | 7.9 |
| - Panel Shear $f_{ u}$ | 6.1 |
| - Planar shear f_r | 1.6 |
| ¹Mean Stiffness (MOE) (N/mm²) | |
| - Tension E _t | 1700 |
| - Compression E _c | 1700 |
| - Bending E _m | 2900 |
| - Panel Shear G _v | 830 |
| Punching Shear Characteristic strength under point load F _{max, k} (kN) (for floors and roofs) | NPD |
| Punching Shear Mean stiffness under point load, R _{mean} (N/mm) (for floors and roofs) | NPD |
| Racking resistance (for walls) Characteristic Strength F _{Rd,max,k} (N) | NPD |
| Racking resistance (for walls) Mean Stiffness R _{mean} (N/mm) | NPD |
| Soft Body Impact resistance Floor/roofs Walls. | NPD |
| Embedment Strength f _h (N/mm2) | NPD |

| | | Minimum thickness | Class (excluding floorings) ^g | Class (Flooring) ^h | |
|---|--|-------------------|--|-------------------------------|--|
| | Without an air gap behind the panel ^{abef} | 9 | D-s2,d0 | D _{fl} ,s1 | |
| | With a closed or open air gap ≤ 22mm behind the panel cef | 9 | D-s2,d2 | - | |
| ² Reaction to fire | Closed air gap behind the panel ^{def} | 15 | D-s2,d0 | D _{fl} ,s1 | |
| (see notes to table for field of application details and associated documentation references) | With an open air gap behind the panel ^{def} | 18 | D-s2,d0 | D _{fl} ,s1 | |
| | 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/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 | | | | |

| Essential characteristics | Performance | | | | | |
|--|--------------------------------|--------------|----------------|---------------|---------------|--|
| | Thickness(mm) | | | | | |
| | 18mm 1220x0320-5mm T&G 2 edges | | | | | |
| 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) | 0.35 | | | | | |
| Swelling in thickness (%) | 15 | | | | | |
| ⁴ 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 | 0.30 | 0.45 | 0.65 | 0.85 | 1.1 | |
| Biological | Use classes 1 | | | | | |

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