

DECLARATION OF PERFORMANCE

DoP Reference Number: - NP6StrebordDoPv7

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 |
|--|---|-----------------|---------------|-----------------------|
| P6 38mm* | Internal use as structural components in dry conditions | 2+ | 2812 | 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 P6 38mm*)

| Essential characteristics | Performance |
|---|-----------------------------|
| | Thickness(mm) |
| | 38mm T&G at 600mm Centres |
| ¹ Characteristic Strength (N/mm ²) | |
| - Bending f_m | 11.7 |
| - Compression f_c | 11.9 |
| - Tension f_t | 7.8 |
| - Panel Shear f_v | 6.0 |
| - Planar shear f_r | 1.7 |
| ¹ Mean Stiffness (MOE) (N/mm ²) | |
| - Tension E_t | 1800 |
| - Compression E_c | 1800 |
| - Bending E_m | 3100 |
| - Panel Shear G_v | 900 |
| Punching Shear Characteristic strength under point load $F_{max,k}$ (kN) <i>(for floors and roofs)</i> | 12.93 |
| Punching Shear Mean stiffness under point load, R_{mean} (N/mm) <i>(for floors and roofs)</i> | 1980 |
| 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. | Impact Class 1, Pass, Floor |
| Embedment Strength f_h (N/mm²) | NPD |

| ² Reaction to fire (see notes to table for field of application details and associated documentation references) | | Minimum thickness | Class (excluding floorings) ^g | Class (Flooring) ^h |
|--|--|-------------------|--|-------------------------------|
| | Without an air gap behind the panel ^{abef} | 9 | D-s2,d0 | C _{fi} ,s1 |
| | 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 _{fi} ,s1 |
| | With an open air gap behind the panel ^{def} | 18 | D-s2,d0 | C _{fi} ,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/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. f -A 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 | | | |

| | | | | | |
|---|------------------------------|-------------|-------------|-------------|---------------|
| 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 (m ³ /h) | NPD | | | | |
| Durability | | | | | |
| Internal bond (N/mm ²) | 0.30 | | | | |
| Swelling in thickness (%) | 14 | | | | |
| ⁴ Mechanical (creep k _{def}) Service class 1 | 1.5 | | | | |
| 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 & 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

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:

John Robb

At: - Cowie, Scotland

On: - 07-12-2021

Two handwritten signatures in blue ink, one on the left and one on the right, both appearing to be variations of the name John Robb.