



NORBORD Europe Ltd
 Station Road
 Cowie
 Stirling
 Scotland
 FK7 7BQ

DoP ref: **NP3DoPv4**

EN13986:2004 +A1:2015

04

E1

P3

6mm to 38mm

Non-Structural use in Humid conditions

Essential characteristics	Performance				
	Thickness (mm)				
	>6to13	>13to20	>20to25	>25to32	>32to40
Reaction to fire	NPD	D-s2,d0	D-s2,d0	D-s2,d0	D-s2,d0
Water vapour permeability μ	NPD	NPD	NPD	NPD	NPD
Release of formaldehyde	E1	E1	E1	E1	E1
Release (content) of pentachlorophenol (PCP)	≤ 5 ppm	≤ 5 ppm	≤ 5 ppm	≤ 5 ppm	≤ 5 ppm
Airborne sound insulation (surface mass) (R)	NPD	NPD	NPD	NPD	NPD
Sound absorption Frequency range 250Hz to 500Hz (α)	0.1	0.1	0.1	0.1	0.1
Sound absorption Frequency range 1000Hz to 2000Hz (α)	0.25	0.25	0.25	0.25	0.25
Thermal conductivity λ	NPD	NPD	NPD	NPD	NPD
Durability					
Internal bond (N/mm ²)	0.45	0.45	0.40	0.35	0.30
Swelling in thickness (%)	17	14	13	13	12
Internal bond after cyclic test (N/mm ²)	0.15	0.13	0.12	0.10	0.09
Swelling in thickness after cyclic test (%)	14	13	12	12	11
Biological	Use classes 1 & 2				