



NORBORD Europe Ltd
Station Road
Cowie
Stirling
Scotland
FK7 7BQ

DoP ref: **NL.MDF.HDoPv4**

EN13986:2004 +A1:2015

04

E1

L.MDF.H

>9mm to 38mm

Non-Structural use in Humid conditions

Essential characteristics	Performance			
	Thickness (mm)			
	>9 to 12	>12 to 19	>19 to 30	>30 to 45
Reaction to fire	D-s2,d0	D-s2,d0	D-s2,d0	D-s2,d0
Water vapour permeability μ	NPD	NPD	NPD	NPD
Release of formaldehyde	E1	E1	E1	E1
Release (content) of pentachlorophenol (PCP)	≤ 5 ppm	≤ 5 ppm	≤ 5 ppm	≤ 5 ppm
Airborne sound insulation (surface mass) (R)	NPD	NPD	NPD	NPD
Sound absorption Frequency range 250Hz to 500Hz (α)	0.1	0.1	0.1	0.1
Sound absorption Frequency range 1000Hz to 2000Hz (α)	0.2	0.2	0.2	0.2
Thermal conductivity λ	NPD	NPD	NPD	NPD
Durability				
Internal bond (N/mm^2)	0.45	0.45	0.45	0.40
Swelling in thickness (%)	16	13	12	11
Internal bond after cyclic test (N/mm^2)	0.25	0.20	0.15	0.10
Swelling in thickness after cyclic test (%)	16	15	15	15
Moisture resistance Internal bond after boil test (%)	0.15	0.12	0.12	0.10
Biological	Use classes 1 & 2			