



NORBORD Europe Ltd  
 Station Road  
 Cowie  
 Stirling  
 Scotland  
 FK7 7BQ

DoP ref: **NMDFDoPv4**

EN13986:2004 +A1:2015

04

E1

MDF

>4mm to 38mm

Non-Structural use in dry conditions

Essential characteristics	Performance					
	>4 to 6	>6 to 9	>9 to 12	>12 to 19	>19 to 30	<>30 to 45
Thickness range	>4 to 6	>6 to 9	>9 to 12	>12 to 19	>19 to 30	<>30 to 45
Reaction to fire	NPD	NPD	D-s2,d0	D-s2,d0	D-s2,d0	D-s2,d0
Water vapour permeability $\mu$	NPD	NPD	NPD	NPD	NPD	NPD
Release of formaldehyde	E1	E1	E1	E1	E1	E1
Release (content) of pentachlorophenol (PCP)	$\leq 5$ ppm	$\leq 5$ ppm	$\leq 5$ ppm	$\leq 5$ ppm	$\leq 5$ ppm	$\leq 5$ ppm
Airborne sound insulation (surface mass) (R)	NPD	NPD	NPD	NPD	NPD	NPD
Sound absorption Frequency range 250Hz to 500Hz ( $\alpha$ )	0.1	0.1	0.1	0.1	0.1	0.1
Sound absorption Frequency range 1000Hz to 2000Hz ( $\alpha$ )	0.2	0.2	0.2	0.2	0.2	0.2
Thermal conductivity $\lambda$	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					