

**DECLARATION OF PERFORMANCE**  
DoP Reference number: - **NMDF.HDoPv4**  
**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
MDF.H >4mm to 45mm*	Internal use as non-structural components in humid conditions	4	Not Applicable	EN13986:2004 +A1:2015
*The unique identification of the product-type is a combination of the technical class and the individual product's nominal thickness				

**Declared performance (covering a range of product-types MDF.H >4mm to 45mm\*)**

Essential characteristics	Performance					
	>4 to 6	>6 to 9	>9 to 12	>12 to 19	>19 to 30	>30 to 45
Thickness (mm)	>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
<b>Durability</b>						
Internal bond (N/mm <sup>2</sup> )	0.70	0.80	0.80	0.75	0.75	0.70
Swelling in thickness (%)	18	12	10	8	7	7
Internal bond after cyclic test (N/mm <sup>2</sup> )	0.35	0.30	0.25	0.20	0.15	0.10
Swelling in thickness after cyclic test (%)	25	19	16	15	15	15
Moisture resistance Internal bond after boil test (%)	0.20	0.15	0.15	0.12	0.12	0.10
Biological	<b>Use classes 1 &amp; 2</b>					

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:

Nick Fedo

At: - Cowie, Scotland

On: - 06-04-17

