

## Formaldehyde emission from wood based panels according to ASTM D 6007



<b>Chambers</b>	225 L, stainless steel
<b>Loading factor</b>	Depending on product to be tested, see table next page
<b>Sample specimen size</b>	See table next page Optionally: other dimensions can be used as long as the loading factor requirement is fulfilled.
<b>Edge sealing</b>	Fully sealed with aluminum tape, unless for samples of very low thickness (see table next page)
<b>Temperature</b>	$(25 \pm 1) ^\circ\text{C}$
<b>Humidity</b>	$(50 \pm 4) \% \text{RH}$
<b>Air exchange</b>	0,5/hour
<b>Conditioning</b>	Yes, seven days at $24 ^\circ\text{C} / 50 \% \text{RH}$
<b>Test duration</b>	16 – 20 hours after conditioning
<b>Limit of quantification</b>	$0.003 \text{ mg/m}^3$

## Loading factors and sample specimen dimensions ASTM D 6007.

Product Type	Loading (m <sup>2</sup> /m <sup>3</sup> )	Specimen area (m <sup>2</sup> )	Recommended specimen size (mm)	Edge sealing if sample thickness (mm)
Hardwood plywood wall panels	0.95	0,2139	3 x (189 x 189)	> 4,7
Particleboard flooring panels	0.43	0,0968	3 x (127 x 127)	> 3,2
Industrial particleboard panels	0.43	0,0968	3 x (127 x 127)	> 3,2
Industrial hardwood plywood panels	0.43	0,0968	3 x (127 x 127)	> 3,2
Medium density fibreboard	0.26	0,0585	3 x (99 x 99)	> 2,5
Particleboard door core	0.13	0,0293	3 x (70 x 70)	> 1,7



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