

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



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

Loading factors and sample specimen dimensions ASTM D 6007.

Product Type	Loading (m ² /m ³)	Specimen area (m ²)	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