

Determination of formaldehyde emission from structural glued laminated timber according to the Japanese acrylate desiccator method

Method	JAS 235 (2003) Structural glued laminated timber (SOP-KEMI-055) JAS 236 (2003) Laminated veneer lumber
Desiccator material	Acryl
Desiccator volume	40 l (49 x 29 x 28 cm)
Sample size	450 cm ² exposed area
Sealing	Cut ends are sealed with Al-tape
Conditioning	Minimum 1 day in an air-tight bag at 20 ± 1°C
Test duration	24 hours
Temperature	20 ± 1°C
Humidity	20 ml water in a petri dish
Air exchanges	Static measurement
Results in	mg/l x 1/3.75 (Report F4)

Emission classes	Average (mg/l)	Maximum (mg/l)
F☆☆☆☆	≤ 0.3	≤ 0.4
F☆☆☆	≤ 0.5	≤ 0.7
F☆☆	≤ 1.5	≤ 2.1
F☆S	≤ 3.0	≤ 4.2

