

Assessment of Compliance to EN 717-1

MOOD/SILK Wall, MOOD/SILK Spaces, MOOD/SILK Flow and MOOD/SILK Curve

RISE Research Institutes of Sweden received from **Lintex AB** a sample of a whiteboard. An emission test has been performed according to M1 Emission Classification of Building Materials: Protocol for Chemical and Sensory Testing of Building Materials, ver 15.11.2017, see **test report O100152-1181696-3**, dated **2023-04-21**. The products MOOD/SILK Wall, MOOD/SILK Spaces, MOOD/SILK Flow and MOOD/SILK Curve are all judged to emit less than or equal to the tested product.

The emission result of formaldehyde ($11 \mu\text{g}/\text{m}^2\text{h}$) can be converted into a concentration according to EN 717-1:2004 (Wood-based panels – Determination of formaldehyde release – Part 1: Formaldehyde emission by the chamber method).

In EN 717-1 the area specific air flow rate is $1 \text{ m}^3/\text{m}^2\text{h}$, which means that the concentration equals the emission rate. After adjustment of measuring at different relative humidity (division by 1.09) and partly sealed edges (multiplication by 1.2) the emission of formaldehyde of the tested product expressed as **concentration according to EN 717-1 is $0.012 \text{ mg}/\text{m}^3$** .

According to EN 13986:2004+A1:2015 (Wood-based panels for use in construction – Characteristics, evaluation of conformity and marking) the criteria for Class E1 is less or equal to $0.124 \text{ mg}/\text{m}^3$ measured according to EN 717-1:2004.

The products MOOD/SILK Wall, MOOD/SILK Spaces, MOOD/SILK Flow and MOOD/SILK Curve are all in compliance with the formaldehyde requirement of Class E1.

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