

## Appendix 6 Declaration on emissions of formaldehyde

Applies to all wood-based panels/boards used in the production of Nordic Swan Ecolabelled buildings either as (building) panels/boards, boards in floors or boards in fittings. Panels that are not solely marketed as façade panels are exempted.

Product name, Denmark <b>MDF</b>	
Product name, Finland <b>MDF</b>	
Product name, Iceland <b>MDF</b>	
Product name, Norway <b>MDF</b>	
Product name, Sweden <b>MDF</b>	
Manufacturer <b>Sonae Arauco Deutschland ,Grecostraße 1 , 49716 Meppen , Germany</b>	
Product description <b>MDF 3050/2440 x 1220 mm , CE , E1, 70 % PEFC</b>	<input checked="" type="checkbox"/> Wood based panels/boards <input type="checkbox"/> Boards in floorings <input type="checkbox"/> Boards in doors and fittings <input type="checkbox"/> Mouldings, baseboards and frames

1. Does the wood board/panel contain more than 3% by weight of formaldehyde-based additives?

Yes  No

If yes, fill in bullet 2 and then either bullet 3 or 4 below.

2. For laminated panels/boards:

Does the level of free formaldehyde in glue with any hardener (i.e. the final glue compound) exceed 2,000 ppm (0.2% by weight)?

Yes  No

If yes, fill in bullet 3 or 4 below.

3. Is the product certified with any of the following certifications?

E1 or M1 for MDF-boards

Yes  No

Class M1 for doors resistant to fire according to EN16034 (applies only to tambour doors in Finnish apartment buildings)

Yes  No

CARB PHASE II or Indoor Air Comfort GOLD/Indoor Air Comfort for all types of boards?

Yes  No

If yes, what certification is held? If no, please, fill in point 4.

ZE 05 Certificate (Compliance with German ChemVerbV. < 0,05 ppm)

4. Does the emission of free formaldehyde exceed the below stated limit, in accordance with the current version of the standard at the time of sampling? Please tick below and attach test results.

**EN 717-1:**

0.124 mg/m<sup>3</sup> air for MDF panels/boards

Yes  No

0.07 mg/m<sup>3</sup> air for all other types of panels/boards

Yes  No

~~ISO 16000-9, M1, Eurofins or equivalent:~~

0,05 mg/m<sup>2</sup>/h for MDF-boards

Yes  No

0,03 mg/m<sup>2</sup>/h for all other boards

Yes  No

~~ASTM E1333:~~

0,09 ppm for MDF-boards

Yes  No

0,08 ppm for all other boards

Yes  No

~~JIS A1460:~~

0,90 mg/l for MDF-boards

Yes  No

0,53 mg/l for all other boards

Yes  No

**ISO 12460-5 alternatively EN 120:**

8 mg/100 g dry substance for MDF-boards

Yes  No

4 mg/100 g dry substance for all other boards

Yes  No

**Signature of panel/board manufacturer**

City and Date	Company
<i>Meppen, 03.12.19</i>	<i>Sonae Arauco Deutschland GmbH</i>
Name of contact person	Signature by contact person
<i>Jan-Hendrik Lorenz</i>	<i>[Signature]</i>
Phone	E-mail
<i>+49 (0) 1511 254 5604</i>	<i>jan-hendrik.lorenz@sonae-arauco.com</i>

A correct signed declaration can result in the acceptance of use of the construction product in Nordic Swan Ecolabelled buildings. This shall not be mixed up with the Nordic Swan Ecolabelling of the construction product.