



High Pressure Laminates **Self-declaration** that the named products comply with the requirements for wall claddings as per BREEAM-NOR's chapter HEA 9 Pollutants in the indoor environment

Formica is a manufacturer of High Pressure Laminates (HPL) according to EN 438, as amended. HPL material is not currently under the scope of BREEAM-NOR Table 5.5 by product type. Requirements for Wood Panels according to EN 13986:2004, are therefore assumed to be the most comparable.

It is important that the information given here is correct, and we strongly encourage thoroughness in researching the extent to which emission testing and/or test reports show that the product complies with the standards and emission limit values required by BREEAM-NOR. If in doubt, the manufacturer should consult own internal and external experts. **Providing incorrect and misleading information can have legal consequences.**

Once filled-out, the form must be signed by a legally responsible person for the manufacturer, such as a technical director or a managing director.

MANUFACTURER:	Formica Group includes Formica Skandinavien AB																																													
PRODUCT TRADE NAME:	Formica Compact																																													
REQUIREMENTS	Relevant standards	YES	NO	Comments (e.g. «test not conducted», «does not meet requirement»)																																										
<p>Table 15: Emission limits for all product categories – Conversion table</p> <table border="1"> <thead> <tr> <th rowspan="2">Emission</th> <th colspan="2">Wall</th> <th colspan="2">Floor/ceiling</th> <th colspan="2">Sealants</th> </tr> <tr> <th>µg/m²h</th> <th>µg/m³</th> <th>µg/m²h</th> <th>µg/m³</th> <th>µg/m²h</th> <th>µg/m³</th> </tr> </thead> <tbody> <tr> <td>TVOC 28d</td> <td>200</td> <td>417</td> <td>200</td> <td>160</td> <td>4260</td> <td>60</td> </tr> <tr> <td>Formaldehyde 3d*</td> <td>24</td> <td>50</td> <td>62.5</td> <td>50</td> <td>3550</td> <td>50</td> </tr> <tr> <td>Formaldehyde 28d*</td> <td>50</td> <td>104</td> <td>50</td> <td>40</td> <td>710</td> <td>10</td> </tr> <tr> <td>Carcinogenic</td> <td>5</td> <td>10</td> <td>5</td> <td>4</td> <td>71</td> <td>1</td> </tr> </tbody> </table> <p><small>³Documentation (test in acc. with approved standard) can be requested if required. ⁴Show accordance with units µg/m³ or µg/m²h ⁵Emission levels for 3 or 28 days can be used as a basis for documenting compliance.</small></p>		Emission	Wall		Floor/ceiling		Sealants		µg/m ² h	µg/m ³	µg/m ² h	µg/m ³	µg/m ² h	µg/m ³	TVOC 28d	200	417	200	160	4260	60	Formaldehyde 3d*	24	50	62.5	50	3550	50	Formaldehyde 28d*	50	104	50	40	710	10	Carcinogenic	5	10	5	4	71	1		Yes		The product has undergone an emission test which shows that its emissions are below the values shown in BREEAM-NOR 2016 "Table 15" according to the intended use of the product. See point 2 below
Emission	Wall		Floor/ceiling		Sealants																																									
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<ol style="list-style-type: none"> The manufacturer confirm the absence of regulated wood preservatives. The emissions test according to the following approved standard: -E1 (formaldehyde) according to 717-1:2004, EN 717-2:1994, EN 120:1992- Formaldehyde emission levels from HPL Compact laminate panels comply with Class E1 requirements without the need for testing according to EN438:7 § 4.11.1, as amended 																																														

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-ISO 16000-9 in combination with ISO 16000-6 (VOC). M1 Certification testing in progress. HPL Compact has undergone an emission test which shows that its emissions of TVOC are below 200 $\mu\text{g}/\text{m}^2\text{h}$ (equals 417 $\mu\text{g}/\text{m}^3$) after 28 days according to: **Determination of volatile substances emissions (VOC) of Formica Group Products, according to the French decree of April 19th, 2011 (A+) – labelling of construction products or wall coverings on their emissions of volatile pollutants:**

EN ISO 16000-11(2006) Indoor air. Determination of the emission of volatile organic compounds from building products and furnishing. Sampling, storage of samples and preparation of test specimens EN ISO 16000-9 (2006) Indoor air. Determination of the emission of volatile organic compounds from building products and furnishing. Emission test chamber method
EN ISO 16000-6 (2012) Indoor Air. Part 6: Determination of Volatile organic Compounds in Indoor and Test Chamber Air
EN ISO 16000-3 (2011) Indoor air. Part 3: Determination of formaldehyde and other carbonyl compounds in indoor air and test chamber air. Active sampling method

- 1) When assessing different types of emission against the requirements in NS-EN 15251, you can find help on <http://www.breeam.org/pagejsp?id=27>
- 2) Note that the emissions here are measured in $\text{mg}/\text{m}^2\text{h}$. Most emission certificates use mg/m^3 .
- 3) Note that M1 is the only known emission mark classification which includes measurements of ammonia emissions.

Legally responsible: M Browne

Position: Compliance Manager

Date: 13/09/2023

Signature: