

**WOOD  
PANELS**

Self-declaration that the named products comply with the requirements for wood panels as per BREEAM-NOR's chapter HEA 02

This form must be filled out by the MANUFACTURER of wood panels according to EN 13986:2004. Wood panels include:

- Wood-based panels for use in construction
- Particle boards
- Fiberboards, including MDF and OSB
- Cement-bonded particle boards
- Plywood
- Solid wood panels and acoustic boards

Approved emission certificates are E1 in combination with M1<sup>1</sup>, EC 1<sup>2</sup>, Nordic Swan Ecolabel, SINTEF Technical Approval or ECOproduct level 2 (green) for indoor emissions of gases.

**If the product has one of the approved emission certificates, it is not necessary to fill in this form. Connect the emission certificate to the product in goBIM.**

<sup>1</sup> Approved performance standard NS-EN 15251:2007, Annex C

<sup>2</sup> Approved performance standard GEV Emissioncode

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 2016. 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.**

|                            |                                                              |
|----------------------------|--------------------------------------------------------------|
| <b>MANUFACTURER:</b>       | UPM Plywood Oy                                               |
| <b>PRODUCT TRADE NAME:</b> | WISA®-                                                       |
| <b>PRODUCT ID:</b>         | From Spruce, Spruce, Roof, Oil, Birch, From Birch, Wire/Film |

The following is hereby confirmed by the manufacturer:

1. The product is in accordance with standard: EN 13986:2004
2. The product has undergone an emission test<sup>3</sup> which shows that its emissions are below the values<sup>4</sup> shown in BREEAM-NOR 2016 "Table 15" according to the intended use of the product.
3. The manufacturer confirm the absence of regulated wood preservatives.

**Table 15:** Emission limits for all product categories – Conversion table

| Emission         | Wall                             |                                  | Floor/ceiling                    |                                  | Sealants                         |                                  |
|------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
|                  | $\mu\text{g}/\text{m}^2\text{h}$ | $\mu\text{g}/\text{m}^3\text{h}$ | $\mu\text{g}/\text{m}^2\text{h}$ | $\mu\text{g}/\text{m}^3\text{h}$ | $\mu\text{g}/\text{m}^2\text{h}$ | $\mu\text{g}/\text{m}^3\text{h}$ |
| 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                                |

<sup>3</sup>Documentation (test in acc. with approved standard) can be requested if required.

<sup>4</sup>Show accordance with units  $\mu\text{g}/\text{m}^3$  or  $\mu\text{g}/\text{m}^2\text{h}$

3. The emission test has been performed in accordance with the following approved standards:

- E1 (formaldehyde) according to 717-1:2004, EN 717-2:1994, EN 120:1992.
- ISO 16000-9 in combination with ISO 16000-6 (volatile organic compounds).

Test and calculation shall be carried out according to EN 16516.

Legally responsible: Riku Härkönen Position: Product Manager Date: 30/10/2019

Signature: \_\_\_\_\_

