

**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 M1¹, EC 1², 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.**

¹ Approved performance standard NS-EN 15251:2007, Annex C

² 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.**

MANUFACTURER:

Linyi Hafu Wood Industry Co.Ltd

PRODUCT TRADE NAME:

Oiled Plywood, Filmfaced plywood

PRODUCT ID:

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 test³ which shows that its emissions are below the
values⁴ 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

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

⁴Show 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:

Li Bing Zhang

Position:

GM

Date: *2019-7-2*

Signature:

张立斌