

BUILDING BOARDSSelf-declaration that the building boards identified below meet
the minimum pollutant requirements in BREEAM NOR's 2016
checklist A20

This form must be filled out and signed by a legally responsible person for the building boards manufacturer, such as a technical director or a managing director. Chemicals to be avoided should not be present in the product in unbound, bound or natural form. Concentrations under the threshold value of 0.1% are accepted. It is assumed that the information in the A20 list is known.

Providing incorrect information can have legal consequences.

MANUFACTURER:**PRODUCT TRADE NAME:****PRODUCT ID:**

Long Hafe Wood Industry Co. Ltd
Oiled combi plywood

Chemicals which are to be avoided¹:

**Arsenic, Lead, Brominated flame retardants (HBCD, TBBPA), Phthalates (DEHP),
Chromium, Octyl-/nonylphenols, Bisphenol A²**

It is hereby confirmed that the product does not contain the chemicals above.

¹ Note that the unwanted chemicals can be found under alternative designations. Find the complete checklist A20 in BREEAM NOR 2016 Technical Manual SD5075NOR
Version 1.1/02.05.2017

² Valid for polycarbonate building boards; all polycarbonates contain Bisphenol A.

Legally responsible: *Libing Zhang* Position: *GM*

Date: *2020-9-26*

Signature: *[Signature]*



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**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 Emission Code

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:**PRODUCT TRADE NAME:****PRODUCT ID:**

Linx's Hafu Wood industry Co., Ltd
oiled combi plywood

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.

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

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

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

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

*Emission levels for 3 or 28 days can be used as a basis for documenting compliance.

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:

Position:

Date:

Signature:

