

TIMBER

Self-declaration that the used timber meets the minimum
pollutant requirements in BREEAM NORs 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:

Linyi Kafu Wood Industry Co., Ltd
oiled plywood, film faced plywood

Chemicals which are to be avoided¹:

Creosote²

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 The use of arsenic and chromium is forbidden.

Legally responsible: Liping Zhang Position: GM

Date: 2018.1.14

Signature:



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

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

- Particle boards
- Fiberboards, including MDF
- OSB
- Cement-bonded particle boards
- Plywood
- Solid wood panels and acoustic boards

Approved emission certificates are E1 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, Appendix C

² Approved performance standard GEV Emission

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:**

Linyi Kaifu Wood Industry Co. Ltd
oiled plywood. filmfaced 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 table 15 «Floor/Ceiling».

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

| Ref | Wall | | Floor/ceiling | | Sealants | |
|------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| | $\mu\text{g}/\text{m}^2\text{h}$ | $\mu\text{g}/\text{m}^2\text{h}$ | $\mu\text{g}/\text{m}^2\text{h}$ | $\mu\text{g}/\text{m}^2\text{h}$ | $\mu\text{g}/\text{m}^2\text{h}$ | $\mu\text{g}/\text{m}^2\text{h}$ |
| 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 ISO 16000-9, ISO 16000-6 (volatile organic compounds), ISO 16000-3 (formaldehyde). Test and calculation shall be carried out according to EN 16516.

Legally responsible: Libing Zhang Position: GM

Date: 2018.1.18

Signature: 张斌

