

**WOOD  
PANELLING**

**Self-declaration** that the named products comply with the requirements for wood panellings as per BREEAM-NOR's chapter HEA 9

This form must be filled out by the **MANUFACTURER** of wood panellings.

Wood panelings include:

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

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.**

| <b>MANUFACTURER:</b>   |   | Metsä Wood                                       |      |    |   |
|--|---|--|------|----|---|
| <b>PRODUCT TRADE NAME:</b>   |   | Metsä Wood Spruce plywood                        |      |    |   |
| <b>PRODUCT ID:</b><br>Add the product ID to the list to the right or send it to:<br><a href="mailto:Document@cobuilder.no">Document@cobuilder.no</a> |   | <a href="#">Download a product-list template</a> |      |    |   |
| DOCUMENTATION  |   |  | YES  | NO | Comments (e.g. «test not conducted», «does not meet requirement») |
| REQUIREMENTS   |   | Relevant standards                               |      |    |   |
| 1.a  | The product can be classified as E1 in accordance with the EN 717-1:2004 test method.   | EN 13986:2004<br>EN 717-1:2004                   | Yes  |    |   |
| 1.b  | The undersigned can confirm that no materials consisting formaldehyde have been added to the product during production or post-production. These can be classified as E1 without testing. | See NS-EN 13986:2004 for detailed information.   | n.a. |    |   |

|     |  |                               |      |    |  |
|-----|--|-------------------------------|------|----|--|
| 2.  | The product has undergone an emission test which shows that its TVOC emission is below <b>0,2 mg/m<sup>2</sup>h</b> <sup>1) 2)</sup>   | NS-EN 15251:2007 (Appendix C) | Yes  |    |  |
| 3.  | The product has undergone an emission test which shows that its formaldehyde emission is below <b>0,05 mg/m<sup>2</sup>h</b> <sup>1) 2)</sup>  | NS-EN 15251:2007 (Appendix C) | Yes  |    |  |
| 4.a | The product has undergone an emission test which shows that shows that its ammonia emission is below <b>0,03 mg/m<sup>2</sup>h</b> <sup>1) 2)</sup>  | NS-EN 15251:2007 (Appendix C) | Yes  |    |  |
| 4.b | The product has no emission test measuring the ammonia emissions, but the undersigned can confirm:<br>1) That ammonia is not traceably active in the product, <u>AND</u><br>2) The product does not contain chemicals that can decompose to ammonia. |                               | n.a. |    |  |
| 5.  | The product has undergone an emission test which shows that its emissions of cancer-causing compounds (IARC) are below <b>0,005 mg/m<sup>2</sup>h</b> <sup>1) 2)</sup>   | NS-EN 15251:2007 (Appendix C) | Yes  |    |  |
| 6.  | The product has undergone an emission test which shows that odour dissatisfaction is below 15%. If deemed not applicable for the product, please provide more details in the comment field <sup>1)</sup>   | NS-EN 15251:2007 (Appendix C) | Yes  |    |  |
| 7.  | The tests in 2-6 have been performed in acc. with the ISO 16000-series with measurements made after <b>28 days</b> .   | ISO 16000                     | Yes  | No | Product tested according to M1 certificate requirements (2010) |
| 8.  | The undersigned can confirm the absence of regulated impregnation agents and the compliance to the minimum level requirements.   | NS-EN 13986:2004              | Yes  |    |  |

<sup>1)</sup> On www.ngbc.no under "Frequently asked questions" there is help in assessing different known emission certificates against the requirements in NS-EN 15251

<sup>2)</sup> Note that the emissions here are measured in mg/m<sup>2</sup>h. Most emission certificates use mg/m<sup>3</sup>. There is a way to convert these units in order to compare the results. Your preferred laboratory can help you with this.

 Legally responsible: **Jouni Hakkarainen**

 Position: **Director, R&D**

 Date: **26.8.2016**

Signature:

