

**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> Add the product ID to the list to the right or send it to: <a href="mailto:Document@cobuilder.no">Document@cobuilder.no</a>		<a href="#">Download a product-list template</a>			
<b>DOCUMENTATION</b>			<b>YES</b>	<b>NO</b>	<b>Comments (e.g. «test not conducted», «does not meet requirement»)</b>
<b>REQUIREMENTS</b>		<b>Relevant standards</b>			
1.a	The product can be classified as E1 in accordance with the EN 717-1:2004 test method.	EN 13986:2004 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: 1) That ammonia is not traceably active in the product, <u>AND</u> 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:

