

## HALFHARD FLOORING, TEXTILE AND LAMINATE FLOORING

This form must be filled out by the manufacturer of flooring. If the manufacturer does not supply directly but through an intermediary (retailer, subcontractor, etc.) this intermediary has to pass on the form to the producer. Completed form should be included as part of the offer. It is important that the information given here is correct, and it encouraged thoroughness when investigating whether the emission tests and other certificates meet the standards and emission limits BREEAM NOR sets. If in doubt you should use the manufacturer's own internal experts and laboratories and other agencies providing testing and certifications for this.

Products defined as resilient floor coverings, textile and laminate are:

- Vinyl
- Linoleum
- Carpet
- Laminate flooring

**The completed form must be signed by a legally responsible person at the manufacturer**

<b>MANUFACTURER: Artigo SpA, Cairo Mtne, Italy</b>					
<b>PRODUCTNAME: Smooth Rubber Resilient Floorcovering EN 1817 - EN 1816</b>					
ARTIGO GRANITO PRO ARTIGO GRAIN PRO ARTIGO GRANITO ELASTIC					
<b>DOKUMENTATION</b>			<b>Yes, attached</b>	<b>No</b>	<b>Under preparation, completion (date)</b>
<b>REQUIREMENTS</b>		<b>Relevant standards</b>			
1.	The product can be classified as E1 acc. test method EN 717-1:2004	EN 14041:2004	✓		Formaldehyde is not added to our products
2.	The product has an emission test which shows that the emissions of TVOC is below 0.2 mg/m <sup>2</sup> h <sup>1</sup> )	NS-EN 15251:2007 (attachment C)	✓		Yes, according to ISO 16000 series, AgBB (2012) and Finnish M1

## Material Declaration

3.	The product has an emission test which shows that the emissions of formaldehyde is less than 0.05 mg/m2h <sup>1)</sup>	NS-EN 15251:2007 (attachment C)	✓		Yes, Meets the limits as set by the AgBB Scheme (2012) and Finnish M1
4.	The product has an emission test which shows that emissions of ammonia is less than 0.03 mg/m2h <sup>1)2)</sup>	NS-EN 15251:2007 (attachment C)	✓		Yes, Meets the limits as set by the AgBB Scheme (2012) and Finnish M1
5.	The product has an emission test which shows that emissions of carcinogenic compounds (IARC) is less than 0,005 mg/m2h <sup>1)</sup>	NS-EN 15251:2007 (attachment C)	✓		Yes, Meets the limits as set by the AgBB Scheme (2012) and Finnish M1
6.	The product has a emission test that shows that dissatisfaction with the odor is below 15%	NS-EN 15251:2007 (attachment C)	NA		The product has not been assessed
7.	The tests in paragraphs 2-6 are performed acc. ISO 16000 series with measurements done after 28 days	ISO 16000	✓		Yes, according to ISO 16000 series and AgBB Scheme
8.	Production of the product has been certified according to ISO 14001 (or other third party certified environmental management system)		✓		Yes, all of our products are made within ISO 14001 approved factories
10.	The product has an EPD (Environmental Product Declaration) prepared in accordance with ISO 14025 or EN 15804		✓		Yes, the products have an ERFMI Generic EN 15804 EPD for Smooth Rubber. Please see attached and also please see bau-umwelt.de

<sup>1)</sup> Note that the issues here are given in mg/m2h. Most states emission certificates issued in mg/m3. These are, in other words not immediately comparable. There are methods to convert these so that we can compare the results. Your laboratory can help you with this.

<sup>2)</sup> Note that M1 is the only emission labeling system where ammonia is included as one of the issues being measured.

Check the left column if the following statements is correct for the product	
	<p>The product does not have a emission test that measures the emissions of ammonia, but undersigned can confirm</p> <p>1) That ammonia is not traceable active in the product AND 2) The product does not contain substances that may cleave to ammonia</p>
✓	<p>Undersigned can confirm that the product is not added any materials containing formaldehyde during production or preparation after production. These can be classified as E1 without testing, See ISO 13986:2004 for detailed information.</p>
✓	<p>Undersigned can confirm the absence of regulated impregnating agents and that minimum requirements are met. (see EN 13986:2004 for details)</p>
✓	<p>Undersigned can confirm that the product does not contains substances which are BREEAM NOR checklist A20. The same checklist defines what valid evidence is.</p>

Signature	Position	Date
		
<b>Dr. Grillo Roberto</b>	<b>R&amp;D Manager Artigo SpA</b>	<b>3rd June 2014</b>