

## BUILDING PRODUCT DECLARATION BPD 3

in compliance with the guidelines of the Ecocycle Council, June 2007

### 1 Basic data

<b>Product identification</b>		Document ID BPD3_Firax_v1.1
Product name Firax®	Product no/ID designation MFR - FR-MDF.LA	Product group BK04: 01214
<input checked="" type="checkbox"/> New declaration <input type="checkbox"/> Revised declaration	<b>In the case of a revised declaration</b>	
	Has the product been changed?	The change relates to
	<input type="checkbox"/> No <input type="checkbox"/> Yes	Changed product can be identified by
Drawn up/revised on (date) 20/03/2014		Inspected without revision on (date)
Other information:		

### 2 Supplier information

Company name Spanolux SA		Company reg. no/DUNS no BE 0456.573.456	
Address Rue de la Forêt 2 B-6690 Vielsalm		Contact person Luc Goutsmet	
		Telephone +32 (0)495 219 888	
Website: www.spanolux.com		E-mail Luc.Goutsmet@spanolux.com	
Does the company have an environmental management system?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
The company possesses certification in compliance with	<input checked="" type="checkbox"/> ISO 9000 <input checked="" type="checkbox"/> ISO 14000	<input checked="" type="checkbox"/> Other	If "other", please specify: COC management PEFC, FSC, FSC-CW Safety management : OHSAS 18001
Other information:			

### 3 Product information

Country of final manufacture Belgium	If country cannot be stated, please state why		
Area of use Interior use - The board can be applied in service class1			
Is there a Safety Data Sheet for this product?		<input type="checkbox"/> Not relevant	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
In accordance with the regulations of the Swedish Chemicals Agency, please state:	Classification Labelling		<input checked="" type="checkbox"/> Not relevant
Is the product registered in BASTA?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Has the product been eco-labelled?	<input type="checkbox"/> Criteria not found	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If "yes", please specify:
Is there a Type III environmental declaration for the product?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Other information:			

## 4 Contents

At the time of delivery, the product comprises the following parts/components, with the chemical composition stated:					
Constituent materials/ components	Constituent substances	Weight % or g	EG no/ CAS no (or alloy)	Classification	Comments
Melamine Urea Formaldehyde resin	included Urea formol <0.3%	14-16%	9011-05-6  57-13-6 50-00-0	nc DPD - Xi, Xn	echa.europa. eu
Fire retardant	Ammonium polyphosphates	8-12%			
Wax emulsion	Wax	.4-.5%	8002-74-2	nc	
Wood	softwood	64-77%	nc	nc	
Water		6-8%		nc	
Other information:					
If the chemical composition of the product after it is built in differs from that at the time of delivery, the content of the <b>finished built in product</b> should be given here. If the content is unchanged, no data need be given in the following table.					
Constituent materials/ components	Constituent substances	Weight % or g	EG no/ CAS no (or alloy)	Classification	Comments
Other information:					

## 5 Production phase

<b>Resource utilisation and environmental impact during production of the item is reported in one of the following ways:</b>			
<input checked="" type="checkbox"/> 1) Inflows (goods, intermediate goods, energy etc) for the registered product into the <b>manufacturing unit</b> , and the outflows (emissions and residual products) from it, i.e. from "gate-to-gate".			
<input type="checkbox"/> 2) All inflows and outflows from the extraction of raw materials to finished products i.e. "cradle-to-gate".			
<input type="checkbox"/> 3) Other limitation. State what:			
The report relates to unit of product	<input type="checkbox"/> Reported product	<input type="checkbox"/> The product's product group	<input type="checkbox"/> The product's production unit
Indicate <b>raw materials and intermediate goods</b> used in the manufacture of the product			<input type="checkbox"/> Not relevant
Raw material/intermediate goods	Quantity and unit	Comments	
Softwood	486.4 kg/m <sup>3</sup> board		
Melamine-Urea-Formaldehyde resins (MUF)	108 kg/m <sup>3</sup> board		
Fire retardant	72 kg/m <sup>3</sup> board		
Parrafin	3.2 kg/m <sup>3</sup> board		
Water	50.4 kg/m <sup>3</sup> board		
Indicate recycled materials used in the manufacture of the product			<input checked="" type="checkbox"/> Not relevant
Type of material	Quantity and unit	Comments	

Enter the <b>energy</b> used in the manufacture of the product or its component parts					<input type="checkbox"/> Not relevant
Type of energy	Quantity and unit			Comments	
Electricity	297,17 kWh/m <sup>3</sup>				
Heat	1.101,77 kWh/m <sup>3</sup>				
Enter the <b>transportation</b> used in the manufacture of the product or its component parts					<input type="checkbox"/> Not relevant
Type of transportation	Proportion %			Comments	
Trucks	100				
Enter the <b>emissions to air, water or soil</b> from the manufacture of the product or its component parts					<input type="checkbox"/> Not relevant
Type of emission	Quantity and unit			Comments	
Particulate matter (PM)	0.151 kg/m <sup>3</sup> board				
Nitrogen oxides (NOx)	0.233 kg/m <sup>3</sup> board				
Carbon monoxide (CO), biogenic	1.437 kg/m <sup>3</sup> board				
Formaldehyde	0.078 kg/m <sup>3</sup> board				
Total organic carbon (TOC)	0.522 kg/m <sup>3</sup> board				
Lead	0.009 kg/m <sup>3</sup> board				
Waste heat	1,189.913 kWh/m <sup>3</sup> board				
Enter the <b>residual products</b> from the manufacture of the product or its component parts					<input type="checkbox"/> Not relevant
Residual product	Waste code	Quantity	Proportion recycled		Comments
			Material recycled %	Energy recycled %	
Wood dust	030105	7%		100	
Is there a description of the data accuracy for the manufacturing data?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify: Continuous monitoring with database		
Other information:					

## 6 Distribution of finished product

Does the supplier put into practice a system for returning load carriers for the product?	<input type="checkbox"/> Not relevant	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Does the supplier put into practice any systems involving multi-use packaging for the product?	<input type="checkbox"/> Not relevant	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Does the supplier take back packaging for the product?	<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Is the supplier affiliated to REPA?	<input checked="" type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Other information:			

## 7 Construction phase

Are there any special requirements for the product during storage?	<input type="checkbox"/> Not relevant	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify: avoid moisture, not contact with water
Are there any special requirements for adjacent building products because of this product?	<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If "yes", please specify:
Other information: For more details, refer to the Spanolux MDF Manual				

Data in fields highlighted in green are requirements in compliance with the Ecocycle Council guidelines.

## 8 Usage phase

Does the product involve any special requirements for intermediate goods regarding operation and maintenance?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If "yes", please specify:			
Does the product have any special energy supply requirements for operation?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If "yes", please specify:			
Estimated technical service life for the product is to be entered according to one of the following options, a) or b):						
a) Reference service life estimated as being approx.	<input type="checkbox"/> 5 years	<input type="checkbox"/> 10 years	<input type="checkbox"/> 15 years	<input type="checkbox"/> 25 years	<input type="checkbox"/> >50 years	Comments
b) Reference service life estimated to be in the interval of 30±5 years						
Other information: For more details, refer to the Spanolux MDF Manual						

## 9 Demolition

Is the product ready for disassembly (taking apart)?	<input checked="" type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify:
Does the product require any special measures to protect health and environment during demolition/disassembly?	<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If "yes", please specify:
Other information:				

## 10 Waste management

Is it possible to re-use all or parts of the product?	<input type="checkbox"/> Not relevant	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify: Wood based products	
Is it possible to recycle materials for all or parts of the product?	<input type="checkbox"/> Not relevant	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify: Wood based panels (particle boards, MDF, ...)	
Is it possible to recycle energy for all or parts of the product?	<input type="checkbox"/> Not relevant	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify: Adapted biomass unit	
Does the supplier have any restrictions and recommendations for re-use, materials or energy recycling or waste disposal?	<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If "yes", please specify:	
Enter the waste code for the <b>supplied</b> product 030105					
Is the <b>supplied</b> product classed as hazardous waste?				<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If the chemical composition of the product differs after having been built in from that which it had at the time of delivery, meaning that another waste code is given to the finished <b>built in</b> product, then this should be entered here. If it is unchanged, the following details can be omitted.					
Enter the waste code for the <b>built in</b> product 030105					
Is the <b>built in</b> product classed as hazardous waste?				<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Other information: 030105					

## 11 Indoor environment

When used as intended, the product gives off the following emissions:		<input type="checkbox"/> The product does not have any emissions		
Type of emission	Quantity [ $\mu\text{g}/\text{m}^2\text{h}$ ] or [ $\text{mg}/\text{m}^3\text{h}$ ]		Method of measurement	Comments
	4 weeks	26 weeks		
Formaldehyde	$\leq 1240 \mu\text{g}/\text{m}^2\text{h}$		EN717-1	
Can the product itself give rise to any noise?		<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Value	Unit	Method of measurement		
Can the product give rise to electrical fields?		<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Value	Unit	Method of measurement		
Can the product give rise to magnetic fields?		<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Value	Unit	Method of measurement		
Other information:				

### References

www.spanolux.com :

- technical datasheets
- declaration of performance (DoP)
- MDF manual

ISO 9001: 2008 - Quality Management System Certification

ISO 14001: 2004 - Environmental Management System Certification

OHSAS 18001: 2007 - Occupational Health and Safety Management Systems Certification

### Appendices