Reaction to fire classification report No. 17917F

Owner of the classification report

DECOSPAN NV
Lageweg 33
8930 Menen
Belgium

Introduction

This classification report defines the classification assigned to the product **'Parky PRO'** in accordance with the procedures given in the standard EN 13501-1:2007+A1:2009: Fire classification of construction products and building elements - Part 1: classification using data from reaction to fire tests.

This classification report consists of 6 pages

1. DETAILS OF CLASSIFIED PRODUCT

a) Nature and end use application

The product **Parky PRO** is defined as a 'multi-layered parquet floor'.
Its classification is valid for the following end use application(s):
Used as parquet floor.

b) Description of the tested product

This description is based on information given by the sponsor.

	Nominal values
Parky PRO	
Type of product	The tested product is a multi-layered parquet floor consisting of the following components: 8-layered coating, wood veneer top layer, 2-component glue, High density fibre board (core material), 2-component glue, wood veneer backing. The different layers of the product are shown in Figure 1.
Manufacturer	DECOSPAN NV
Total thickness (mm)	7,2
Total surface mass (g/m²)	6400
Profile width (mm)	190
Components	
1. 8-layered coating	
Type of product	6-layered basecoat consisting of UV lacquer 2 topcoats consisting of UV lacquer
Manufacturer	Hesse
Total thickness (µm)	60 – 70
Total surface mass (g/m²)	100
Use of fire retardants	No
Colour	Transparent
2. Wood veneer top layer	
Type of product	Oak veneer
Manufacturer	M&M
Thickness (mm)	0,6
Density (kg/m³)	650
Use of fire retardants	No
Colour	Naturel wood look

	Nominal values
Components	
3. 2-component glue	
Type of product	2-component glue on the basis of urea-formaldehyde
Manufacturer	Akzo Nobel
Commercial name	Casco
Applied amount (g/m²; wet)	80
Use of fire retardants	No
4. HDF board (core material)	
Type of product	High density fibre (HDF) board
Manufacturer	Unilin
Thickness (mm)	6
Density (kg/m³)	620 – 650
Use of fire retardants	No
5. 2-component glue	
Identical to component No.3	
6. Wood veneer backing	
Type of product	Wood veneer
Manufacturer	M&M
Thickness (mm)	0,6
Use of fire retardants	No



Figure 1: Different layers of Parky PRO

More details are available in the test reports in support of this classification (§2a).

2. TEST REPORTS AND EXAP REPORTS AND TEST RESULTS IN SUPPORT OF THIS CLASSIFICATION

a) Test reports (and EXAP reports)

Name of the laboratory	Name of the sponsor	Test report ref. No. and test date	Test method
WFRGENT nv Ghent, Belgium	DECOSPAN NV Menen, Belgium	17917D: 14/07/2016	EN ISO 11925-2 (November 2010/AC:2011)
WFRGENT nv Ghent, Belgium	DECOSPAN NV Menen, Belgium	17917E: 15/07/2016 & 30/09/2016	EN ISO 9239-1 (June 2010)

b) Test results

Test method	Parameter	Number of tests	Results		Criteria for Class C_{FL}-s1	
			Continuous parameters Mean	Compliance parameters	Continuous parameters	Compliance parameters
EN ISO 11925-2 (*) (1) 15 s flame application: Surface exposure - front side	$F_s \leq 150$ mm Ignition filter paper	6	(-) (-)	Yes No	(-) (-)	Yes No
(*) The material didn't melt nor pull away from the pilot burner. *(1) Based on the results obtained in test report No. 17917D.*						
EN ISO 9239-1 (2)	Critical flux (kW/m²) Smoke production (%.min)	4	6,5 15	(-) (-)	≥ 4,5 ≤ 750	(-) (-)
(2) Based on the results obtained in test report No. 17917E.						

(-) Not applicable.

3. CLASSIFICATION AND FIELD OF APPLICATION

a) Reference of classification

This classification has been carried out in accordance with EN 13501-1:2007+A1:2009.

b) Classification

The product **Parky PRO** in relation to its reaction to fire behavior is classified as:

Fire behavior	Smoke production
C_{FL}	s1

c) Field of application

This classification for the product as described in §1b, is valid for the following end use conditions:

- Substrate: Euroclass $A2_{FL}$-s1 or better with a thickness of at least 6 mm and a density of at least 1350 kg/m³
- Without air gap.
- Fixing: Loosely mounted onto the substrate. Also valid for applications where the product is glued or mechanically fixed onto the substrate.
- With vertical and/or horizontal tongue and groove joints

This classification is valid for the following product parameters:

- Total thickness: 7,2 mm
- Width of the planks: 190 mm
- Thickness 8-layered coating: 60 µm – 70 µm
- Thickness wood veneer top layer: 0,6 mm
- Thickness HDF core layer: 6 mm
- Thickness wood veneer bottom layer: 0,6 mm
- Density HDF core layer: 620 kg/m³ – 650 kg/m³
- No use of fire retardants
- All other parameters of the individual components are given in the production description of § 1b

4. RESTRICTIONS

At the time the standard EN 13501-1:2007+A1:2009 was published, no decision was made concerning the duration of validity of a classification report.

Provisions of Regulation (EU) 305/2011, commonly known as the Construction Products Regulation (CPR), prevail over any conflicting provisions in the harmonised standards and technical specifications.

5. WARNING

This classification report does not represent type approval nor certification of the product.

According to the information mentioned by the sponsor on the technical information sheet there was no product standard for CE marking available at the time the classification report for the tested material/product was drafted.
When such a product standard is published, this report may be submitted again to the laboratory to evaluate the adequacy of the report for CE marking.
The sponsor of this report has nevertheless committed himself to a System 3 Assessment and Verification of Constancy of Performance (AVCP).

PREPARED BY	APPROVED BY
Niek De Pauw (Signature) Project assistant 2017.05.12 08:29:28 +02'00'	Bart Sette (Signature) General Manager 2017.05.12 11:44:44 +02'00'
Signature 1	Signature 2

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Demandeur / *Sponsor*:	DECOSPAN
Contact :	Louise CHYS
Adresse / *Address* :	Lageweg 33
Code postal / *Post Code* :	B-8930
Ville / *City* :	MENEN
Pays / *Country* :	Belgique / Belgium

Numéro de commande / *Purchase Order* :	Accord sur devis
Date commande / *Dated on* :	01/10/2024

Rapport N° / *Report N°* DO-24-6541\B-R1 émis le / *edited the* 05/11/2024

Description du produit testé / *Tested product description*

Référence commerciale / *Commercial reference*:	Parky Pro / *Parky Pro.*
Date de réception / *Reception Date*:	27/09/2024
Description :	Revêtement de sol bois composé d'une plaque HDF 6mm couverte d'un placage collé (colle urée formaldéhyde) et d'un vernis / *Wooden floor covering composed of an 6mm HDF plate covered with glued veneer (urea formaldehyde glue) and varnish.*
Application finale / *Final application* :	Revêtement de sol / *Floor covering.*
Epaisseur / *Thickness*:	7.2 mm (déclarée par le client / *Declared by sponsor*)
Masse volumique / *Density* :	900 kg/m³ (déclarée par le client / *Declared by sponsor*)
Masse surfacique / *Surface density* :	6.48 kg/m² (calculée par le laboratoire / *calculated by the laboratory*)
Couleur / *Color* :	Chêne naturel / *Naturel oak.*
Substrat / *Substrate* :	Sans substrat / *Without substrate.*
Mode de fixation / *Mounting method* :	Sans fixation / *Without fixation.*
Face exposée / *Exposed face* :	Face vernis / *Varnished side.*
N° Lot de fabrication / *Batch N°* :	VO24-20934
Fabricant / *Manufacturer*:	Decospan nv
Conditionnement / *Conditionning*:	23 ± 2 °C, 50 ± 5 % HR

L'attention est attirée sur le fait que les résultats obtenus avec l'échantillon objet du présent rapport d'essais ne sont pas généralisables sans justification de la représentativité des échantillons et essais. Le rapport d'essai ne concerne que l'objet soumis à l'essai. Ces résultats d'essais rendent compte du comportement des éprouvettes d'un matériau soumis à des conditions spécifiques d'essai; ils ne prétendent pas représenter le seul critère d'évaluation du danger potentiel de contribution à l'incendie que présente le produit dans les conditions d'utilisation. / *Attention is drawn to the fact that the results obtained with the sample that is the subject of this test report cannot be generalized without justification of the representativity of the samples and tests. The test report only concerns the object under test. These test results account for the behavior of specimens of a material subject to specific test conditions; they do not purport to represent the only criterion for assessing the potential fire hazard posed by the product under the conditions of use*

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crepim
MATERIAL
& FIRE TEST EXPERT

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cofrac ESSAIS
ACCREDITATION N°1-5860
Portée disponible sur / *Scope on request @* www.cofrac.fr

Rapport N° / *Report N°* DO-24-6541\B-R1 émis le / *edited the* 05/11/2024

Résultats suivant / *Results according to* ASTM E662 : 2021ae1

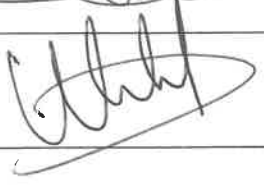
Date de réception / *Reception Date*:	27/09/2024
Date de l'essai / *Test date*:	22/10/2024
Dimension des échantillons / *Samples dimensions* (mm) :	76 mm x 76 mm
Epaisseur / *Thickness* (mm):	7.2

L'accréditation du COFRAC atteste de la compétence des laboratoires pour les seuls essais couverts par l'accréditation / *COFRAC accreditation attests competence of the laboratories for the only tests covered by the accreditation*

	Essai / Test 1	Essai / Test 2	Essai / Test 3	Moyenne / Average
Durée de l'essai / Test duration (sec)	1200	1200	1200	/
Irradiance / Heat Flux (kW/m²)	25	25	25	/
Mode	Avec flamme pilote / With pilot flame	Avec flamme pilote / With pilot flame	Avec flamme pilote / With pilot flame	/
Masse initiale / Initial mass (g)	36,8	37,2	36,9	/
Ds90	0,8	2,1	3,2	2
Ds240	8,1	18,5	16	14,2
Dm	147,8	155	195,1	166
t Dm (sec)	1024	997	1136	1052,3
Tc (%)	92	91	85	/
Dmc	143,1	149,6	185,8	159,5
Température de la chambre / Chamber Temperature (°C)	35	36	36	/

	Essai / Test 7	Essai / Test 8	Essai / Test 9	Moyenne / Average
Durée de l'essai / Test duration (sec)	1200	1200	1200	/
Irradiance / Heat Flux (kW/m²)	25	25	25	/
Mode	Sans flamme pilote / Without pilot flame	Sans flamme pilote / Without pilot flame	Sans flamme pilote / Without pilot flame	/
Masse initiale / Initial mass (g)	37,3	37,7	38,9	/
Ds90	0,5	0,4	0,6	0,5
Ds240	38,2	54,1	44,3	45,5
Dm	411,5	473,5	468,2	451,1
t Dm (sec)	1199	1194	1201	1198,0
Tc (%)	89	70	82	/
Dmc	404,8	453,1	456,9	438,3
Température de la chambre / Chamber Temperature (°C)	36	36	35	/

Observations / *Remarks* :	/

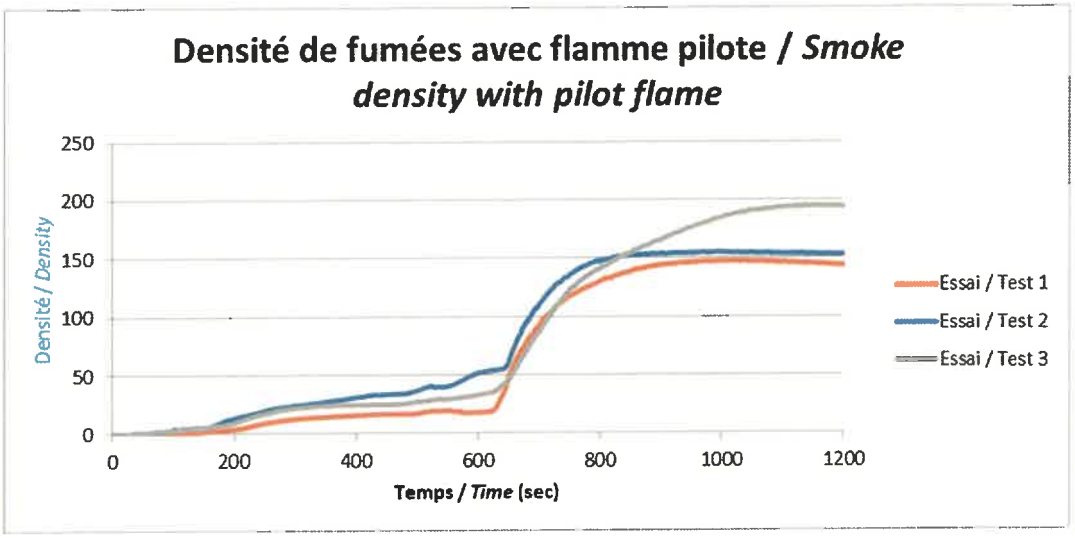
Responsable de l'Essai / *Test Officer* :	Laura EVRARD	
Responsable Technique / *Technical Manager* :	Skander KHELIFI	

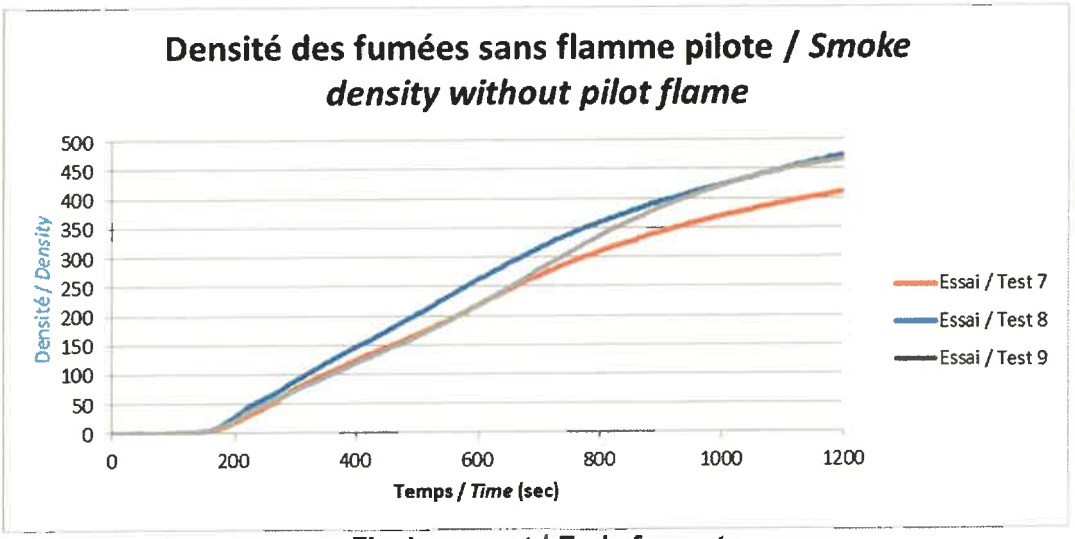
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Annexe / *Appendix* 1 : Graphiques / *Graphics*





Fin du rapport / *End of report*

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ENVIRONMENTAL PRODUCT DECLARATION

as per *ISO 14025* and *EN 15804+A2*

Owner of the Declaration	Decospan NV
Publisher	Institut Bauen und Umwelt e.V. (IBU)
Programme holder	Institut Bauen und Umwelt e.V. (IBU)
Declaration number	EPD-DEC-20230150-IBA1-EN
Issue date	30.08.2023
Valid to	29.08.2028

Veneered, wood flooring with HDF carrier (7-9 mm)

Decospan NV

Institut Bauen und Umwelt e.V.

www.ibu-epd.com | https://epd-online.com



ECO PLATFORM

EPD

VERIFIED

PARKY
It's good to live on wood

1. General Information

Decospan NV

Programme holder

IBU – Institut Bauen und Umwelt e.V.
Hegelplatz 1
10117 Berlin
Germany

Declaration number

EPD-DEC-20230150-IBA1-EN

This declaration is based on the product category rules:

Solid wood products, 01.08.2021
(PCR checked and approved by the SVR)

Issue date

30.08.2023

Valid to

29.08.2028



Dipl.-Ing. Hans Peters
(Chairman of Institut Bauen und Umwelt e.V.)



Florian Pronold
(Managing Director Institut Bauen und Umwelt e.V.)

Veneered, wood flooring with HDF carrier (7-9 mm)

Owner of the declaration

Decospan NV
Lageweg 33
8930 Menen
Belgium

Declared product / declared unit

1 m² of veneered, wood flooring with HDF carrier (7-9mm)

Scope:

This Environmental Product Declaration covers an average square meter of pre-lacquered, veneered, wood flooring with HDF carrier (7-9 mm), produced by Decospan NV in Belgium.
The owner of the declaration shall be liable for the underlying information and evidence; the IBU shall not be liable with respect to manufacturer information, life cycle assessment data and evidences.

The EPD was created according to the specifications of EN 15804+A2. In the following, the standard will be simplified as *EN 15804*.

Verification

The standard EN 15804 serves as the core PCR
Independent verification of the declaration and data according to ISO 14025:2011
☐ internally ☒ externally



Dr. Matthew Fishwick,
(Independent verifier)

PARKY
It's good to live on wood

2. Product

2.1 Product description/Product definition

Parky is a multi-layered parquet, consisting of a wood wear layer, pressed onto high-density fibreboard (HDF) with a wooden backing.

Parky floors are finished with a top layer of authentic wood species, sourced from responsible forestry. The thickness of the veneer top layer is 0.6 mm in order to make the most of the material.

The thin veneer layer of 0.6 mm is pressed on the HDF board according to the DSI (Double-Sided Impregnation) system. During this process, the adhesive is pressed into and absorbed by the wood.

The surface finish, consisting of eight robust layers of specially developed lacquers protects the floor from wear and tear as well as scratches. The wood absorbs the varnish which fuses with the adhesive. This results in a high-strength and scratch-resistant floor and a moist and dirt-resistant surface.

The combination of the thin top layer, the high-density fibreboard and the wooden backing ensures impact resistance and dimensional stability. Parky floors are equipped with a click system for easy installation.

To cover the most important products in the Parky product range, three different product groups are distinguished, based on the product composition. The environmental profile was calculated for each product group.
Group 1: Pre-lacquered, veneered wood flooring with HDF carrier (7-9 mm)
Group 2: Pre-lacquered, veneered wood flooring with HDF carrier and cork backing (10-12 mm)
Group 3: Pre-lacquered, veneered wood flooring with HDF carrier (10 mm)

This EPD applies to Group 1: pre-lacquered, veneered wood flooring with HDF carrier between 7 and 9 mm.

For the placing on the market of the product in the European Union/European Free Trade Association (EU/EFTA) (with the exception of Switzerland) Regulation (EU) *No. 305/2011 (CPR)* applies. The product needs a declaration of performance taking into consideration *EN 14342:2013* Wood flooring and parquet - Characteristics, evaluation of conformity and marking as well as the CE-marking. Further specification is according to *EN 14354:2017*, the European standard for wood veneer floor coverings, as referenced by *EN 14342:2013*. For the application and use, the respective national provisions apply.

2.2 Application

Parky flooring is covered by harmonised standards, *EN 14342:2013* and *EN 14354:2017*. It's intended as floor covering for internal use in dry conditions. The provided click system is only suitable for floating installations. Flooring without an integrated cork layer should be installed on a suitable underlay. Parky flooring can be installed for both private and commercial use.
The installation must be carried out in accordance with the installation instructions, the rules of the trade and the state of the art.

2.3 Technical Data

Technical specifications in accordance with the information in the declaration of performance with respect to its essential characteristics following *EN 14342:2013,* Wood flooring and parquet - Characteristics, evaluation of conformity and marking.

Constructional data

Name	Value	Unit
Moisture content acc. to EN 322	5-9	%
Mean density	900	kg/m³
Thickness	7,2	mm
Length	1203	mm
Width	124-190	mm
Reaction to fire EN 13501-1	Cfl-s1	Class
Formaldehyde emission EN 717-1	E1	Class
Content PCP EN 14342	< 5	ppm
Slip resistance CEN/TS 15676	≥ 45	USRV
Thermal conductivity EN 12667	0.14	W/mK
Installation method	floating	-

Performance data of the product in accordance with the declaration of performance with respect to its essential characteristics according to *EN 14342:2013*, Wood flooring and parquet - Characteristics, evaluation of conformity and marking.

Verification and assessment of constancy of performance are carried out according to system 3.

2.4 Delivery status

All products are delivered in packaging units. The following information is specified on the box:

- Finish
- Wood type
- Box quantity [m²]
- Dimensions [mm]
- Number of parquet planks [pcs]

Group 1 includes parquet planks with various formats. Dimensions of the declared products as delivered are within following ranges:

- Length: 1203 mm
- Width: 124 - 190 mm
- Thickness: 7.2 mm
- Box quantity: 1.64 -2.51 m²

2.5 Base materials/Ancillary materials

The average composition of the finished products is calculated per product group. The components of group 1 are given below in kg/m² flooring.

- Lacquer < 2 %
- Veneer (top layer & backing) 11 – 13 %
- Adhesive (UF-glue) < 1.5 %
- High-density fibreboard < 86 %

This product/article/at least one partial article contains substances listed in the *candidate list* (17.01.2023) exceeding 0.1 percentage by mass: No

This product/article/at least one partial article contains other carcinogenic, mutagenic, reprotoxic (CMR) substances in categories 1A or 1B which are not on the *candidate list*, exceeding 0.1 percentage by mass: No

Biocide products were added to this construction product or it has been treated with biocide products (this then concerns a treated product as defined by the (EU) *Ordinance on Biocide Products No. 528/2012)*: No

2.6 Manufacture

Decospan produces Parky flooring at its production site in Belgium. The production process mainly involves assembly of the above, purchased components (HDF, veneer, adhesive, lacquer).

Prior to the assembly process, an extended part of the production is dedicated to the sorting, preparing and jointing of the veneer.

Veneer is produced by slicing a log into thin layers. This process makes optimal use of the logs because, in contrast with solid wood, there is no sawing loss. Since Decospan purchases bundles of sliced veneer, the production process in Belgium starts with a sorting process.
Incoming veneer bundles are evaluated on various aspects:

- Wood species
- Slicing technique
- Dimensions
- Quality

After the assignment of a certain quality level, the bundles are cut in length and width. By using advanced technology, the sliced wood can be joined into veneer sheets, which are again graded, based on their quality.

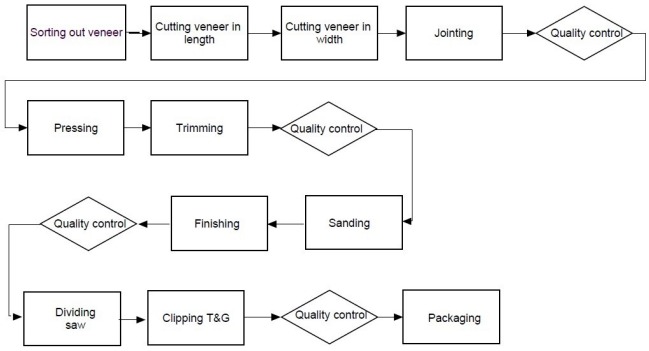
The next step in the production process is pressing. Adhesive is applied to both sides of the HDF carrier, which is subsequently placed onto the wooden backing. The wooden wear layer is placed on top.
By placing this combination of materials in the press at a predefined time, temperature and pressure level, the adhesive is pressed into and absorbed by the wood. After pressing, the veneered board is trimmed to the desired dimensions and subjected to quality control.

Finishing of the wooden wear layer is done by applying eight layers of specially developed lacquers. Prior to this process, the wooden wear layer is sanded and optionally brushed. The eight layers of lacquer are cured by means of UV light. This extremely strong and matt lacquer is nearly invisible. The quality of the finishing process is extensively inspected.

After approval of the finishing quality, the lacquered veneered boards are divided into parquet planks. Dimensions of the planks depend on the collection. Each plank is provided with a click system, which is carefully milled to the sides.

The wooden flooring is packed in cardboard boxes and wrapped with plastic foil.

At the end of the manufacturing process, a full quality inspection check is performed and documented according to the internal Factory Production Control (FPC) system.



2.7 Environment and health during manufacturing

Health protection measures

Decospan strictly and fully applies applicable legislation and also complies with all requirements for general good working conditions, in particular, with regard to health and safety.

Possible hazards, related to chemicals used in production, are covered by a yearly due diligence exercise where material safety data sheets are collected and conformity with the REACH-regulation (incl. SVHC's) is evaluated.
The health and safety manager keeps track of safe use guidelines and provides appropriate personal protection equipment when needed. Since air extraction systems filter ambient air in production, personal protection equipment mainly involves:

- Protective clothing
- Safety shoes
- Hearing protection
- Gloves

All employees are provided with the above mentioned, suitable protection measures.

A committee for prevention and protection at work is in place.
Training for personnel is carried out at regular intervals, including: at the start of employment, annual recap or when deemed necessary.
All of this is captured in safety procedures, prevention and protection reports and put into practice by means of e.g. fire exercises, first aid training organized by the HR- and HSE-manager.
Chemical residues are sorted and collected separately. Containers are picked up by a waste processor and processed according to applicable disposal regulations.

Environmental protection measures:

Decospan is FSC® (FSC-C095327) and Program for the Enforcement of Forest Certification (PEFC) certified. Both organisations are committed to responsible forest management and include social aspects in their policy.
Wood or wood-based materials are responsibly sourced with one of the above-mentioned certifications or as Pure Wood.
All suppliers are requested to sign and comply with the Pure Wood charter and thus respect and commit to Decospans core values concerning responsible forestry.
Internal wood waste is incinerated with energy recovery which is re-used in the manufacturing process.

2.8 Product processing/Installation

Before starting the installation, it is essential to read the Parky installation instructions carefully. Parky flooring is intended for floating installation and can easily be installed, with its click tongue-and-groove system. Following installation tools are recommended:

- Parky installation kit
- Pencil
- Meter
- Hammer
- Handsaw
- Cutter

Besides the above-mentioned installation tools, Parky flooring can be processed with all tools, suitable for solid wood. These tools must be operated in accordance with the manufacturer's operating instructions. Make sure that the necessary safety precautions and protection measures (e.g. hearing protection, respiratory mask, protective gloves, safety glasses) are applied. Provide adequate ventilation if the processing operations generate wood dust. Dispose of the product and packaging in accordance with applicable, local, or national disposal regulations.

2.9 Packaging

Parky flooring is packed in a cardboard box and wrapped with PE-foil in order to protect the product during transport and storage.
Packaging material must be collected separately and disposed of in accordance with applicable legislation.

2.10 Condition of use

Before installation, Parky flooring should be stored in a dry and protected room with an air humidity of 40 – 60 % and a temperature between 16-21°C.
Wood has, as a hygroscopic material, the ability to absorb and release moisture from the surrounding environment. Changes in moisture content can result in dimensional changes over time. This needs to be accommodated during installation by foreseeing expansion gaps of 1 mm per running meter, as outlined in the installation instructions.

2.11 Environment and health during use

The use phase of Parky flooring is not in the scope of the Life Cycle Assessment (LCA) and resulting EPD. However, measurements of VOC emissions to indoor air are measured and available.
Parky flooring complies with following regulations and test protocols:

- *Indoor Air Comfort GOLD®*
- *CDPH*
- *M1*

Additional and more detailed information can be provided on request.
Parky flooring does not imply any hazards to water, air or soil when used as intended.

2.12 Reference service life

The service life in accordance with the Bundesinstitut fûr Stadt- und Raumforschung *(BBSR)*, table "Service lives of components for life cycle assessment according to Bewertungssystem Nachhaltiges Bauen *(BNB)*", is

- 40 years for wooden, multilayer parquet.
- 15 years for wood lacquers

The service life is specified on an informative basis and is based on the warranty period Decospan specifies for the products:

Material	Residential use	Low commercial use
Group 1	15	5
Group 2	Limited lifetime warranty	10
Group 3	Limited lifetime warranty	10

The product must be installed and maintained according to the Parky installation and maintenance instructions. Misuse or poor maintenance will adversely affect the service life. This also applies for unusually low or high humidity, excessive water use, dragging heavy furniture, etc.

2.13 Extraordinary effects

Fire

Parky, wood veneered floor covering, with surface coating and with or without cork bottom layer is classified as Cfl-s1.
Test conditions: in accordance with *EN 13501-1:2019*.
Installation method: loose-laid on end-use substrates of wood and of classes A1 and A2-s1,d0.

Fire protection

Name	Value
Building material class	Cfl
Smoke gas development	s1

Water

Parky flooring has a water-resistant surface but is not able to withstand prolonged exposure to water. Besides damage to the product, no adverse consequences to the environment will occur.

Mechanical destruction

No negative impacts on the environment are identified when mechanically destroying the product. Suitable personal protection equipment is recommended to prevent injury or health risks, caused by sharp edges, wood chips or wood dust.

2.14 Re-use phase

Limited mechanical damage like scratches can be repaired using the Parky Repair Pens and Parky Repair Wax. Colour and lacquer pens are available to repair the floor and to protect it from dirt and moisture.
When your floor is severely damaged, the Parky Bulldog allows you to remove and replace the damaged plank(s). More information and instructions for use are available on www.par-ky-com.

At end-of-life, the product can be incinerated with energy recovery.

2.15 Disposal

Parky flooring is classified as wood waste with *EWC-code 17 02 01*, according to *EUROSTAT* Guidance.

The product must be disposed of in accordance with applicable, local or national disposal regulations.

2.16 Further information

Additional information, contact details, installation and maintenance instructions are available on www.par-ky.com

3. LCA: Calculation rules

3.1 Declared Unit

The declared unit is 1 m² of pre-lacquered, veneered wood flooring with HDF carrier between 7-9 mm. The total inputs, outputs and produced m² for the period under consideration are taken as a basis.
The products in this EPD represent an average in a product group. The most important variable which leads to differences in the environmental profiles within the group is the amount of HDF in these products. In group 2 these differences are the largest since the amount of HDF can vary +/- 11 %. For group 1 and 3 these differences are smaller, respectively 3.82 % and 5.88 %.

Declared unit

Name	Value	Unit
Declared unit	1	m^2
Gross density	900	kg/m^3
Grammage	7.35 - 7.85	kg/m^2
Wood moisture at delivery	5 - 9	%
Weighted averaged thickness	7-9	mm

Decospan collected data for a full production year: 2021. More specifically:

- Raw material use and transport to the production location
- Decospan contacted relevant suppliers for primary data
- Energy use
- Emissions
- Production

3.2 System boundary

This EPD is a cradle-to-gate with options (C1-C4,D)

Product stage A1-A3
Parquet consists of a high-density fibreboard to which a wooden veneer layer is applied (glued) on both sides. All the raw materials are supplied to Decospan by truck. The application of veneer onto the baseboard is called the pressing process. This pressing is achieved by means of pressure, temperature and time. The panels are then sawn, sanded and varnished. After varnishing, the boards are divided in planks and are provided with a click system so that they can be clipped into one another. The heat used in the production process is obtained from the incineration of part of Decospan's wood production waste. The proportion of the electricity demand covered by green electricity in the total electricity demand is 100 %.

Transport to construction (A4)
This module is not in the scope of this EPD.

Construction process (A5)
This module is not in the scope of this EPD.

Use phase (B)
This module is not in the scope of this EPD. However, the emissions to indoor air will be mentioned informatively in this EPD.

Demolition C1
Parquet can be removed from the building in a manual process. It is anticipated that the environmental impact of this process is neglectable.

Recovery D
This module includes the benefit of the recovery of electricity and heat that often occurs in waste incineration plants.

For the electrical and thermal efficiency of the waste-to-energy plant we calculated with 18 % and 31 % respectively. For the heat of combustion of parquet (wood) the lower heating value was used: Wood: 13.99 MJ/kg.

3.3 Estimates and assumptions

Transport to waste treatment C2
After the parquet is removed from the application is transported to a waste treatment facility. In the waste treatment scenario in this LCA, a transport distance of 50 km is assumed.

Waste processing C3
The waste treatment scenario in this study assumes that at the waste treatment facility the parquet is chipped into wood chips.

Final waste treatment C4
The waste treatment scenario in this study assumes that that the wood chips are used for incineration with energy recovery.

3.4 Cut-off criteria

Emissions for the combustion of wood are not measured at the plant and are therefore included via the ecoinvent used. There is a process-specific emission to be expected from formaldehyde.
The exact emission is not measured and therefore included based on the ecoinvent process "Glued laminated timber, for indoor use {RER}| production | Cut-off". The emission included in the calculation is 0.0114 kg/m3 product. The avoided production of electricity from primary sources is based on: "Electricity, high voltage {NL}| heat and power co-generation, natural gas, combined cycle power plant, 400MW electrical | Cut-off". The avoided production of heat from primary sources is based on: "Heat, district or industrial, natural gas {Europe without Switzerland}| heat production, natural gas, at industrial furnace >100 kW | Cut-off".
Since the LCA is based on production information from a full production year it is expected that mass and energy balance is (in) close (proximity) to complete as no materials or processes have been excluded. The cut-off criteria are well below 1 %.

3.5 Background data

For background processes, the *ecoinvent database v3.6* (allocation cut-off) has been used.

3.6 Data quality

Data quality and validation of economic flows
Decospan collected data on the production of Parky parquet for a full production year, 2021. More specifically:

- Raw material use and transport to the production location
- Primary data for important products were requested from suppliers
- Energy use
- Emissions
- Production waste

The provided data was checked for plausibility. The quality and representativeness are considered high.
The products in this EPD represent an average in a product group. The most important variable which leads to differences in the environmental profiles within the group is the amount of HDF in these products. In group 2 these differences are the largest since the amount of HDF can vary +/- 11 %. For group 1 and 3 these differences are smaller, respectively 3.82 % and 5.88 %.

For background processes, the *ecoinvent database v3.*6 (allocation cut-off) has been used.

Data quality and validation of environmental inventories
Since the LCA is based on production information from a full production year it is expected that mass and energy balance is close to complete.
For the LCA calculations, the following methods have been used:

- SimaPro's LCA method: "*EN 15804+A2*" via bepalingsmethode 'set 1', 'set 2' & param (NMD 3.4) (see appendix C)

SGS INSTRON has checked potential uncharacterised substances. This check is part of the validation of environmental inventories.

3.7 Period under review

The production data for this EPD is based on the production of a full production year (2021).

3.8 Geographic Representativeness

Land or region, in which the declared product system is manufactured, used or handled at the end of the product´s lifespan: Belgium

3.9 Allocation

The energy use for the production processes has been allocated based on the area produced for each of the products

The amount of production waste has been allocated based on the mass of the products and the loss factor for each of the products.

3.10 Comparability

Basically, a comparison or an evaluation of EPD data is only possible if all the data sets to be compared were created according to *EN 15804* and the building context, respectively the product-specific characteristics of performance, are taken into account. For background processes, the *ecoinvent database v3.6* (allocation cut-off) has been used.

4. LCA: Scenarios and additional technical information

Characteristic product properties biogenic carbon

The amount of biogenic C in the product has been calculated using the amount of veneer, HDF and cork in the product, multiplication by the wood and cardboard content and 0.5. The latter is the amount of C in wood according to *EN 16485:2014*. The wood content in HDF is 77 % according to the suppliers EPD: EPD-UNI-20150013-IBA1-EN. For veneer and cork, a moisture content of 6 % has been used.
Note: 1 kg of biogenic carbon is equivalent to 44/12 kg CO_2.

Information on describing the biogenic carbon content at factory gate

Name	Value	Unit
Biogenic carbon content in product	2.92	kg C
Biogenic carbon content in accompanying packaging	0.046	kg C

Use or application of the installed product (B1) see section 2.12 "Use"

This module is not in scope. However, the emissions to indoor air are informatively mentioned in section 2.11.

The following information, related to maintenance and repair is informative, given that module B is not declared.

Maintenance (B2)

The specially developed Parky Wood Floor Cleaner is recommended to maintain the parquet. It removes dirt without harming the lacquer. Maintenance instructions are available on www.par-ky.com

Repair (B3)

Limited mechanical damage like scratches can be repaired using the Parky Repair Pens and Parky Repair Wax. Colour and lacquer pens are available to repair the floor and protect it from dirt and moisture.

Replacement (B4) / Refurbishment (B5)

When your floor is severely damaged, the Parky Bulldog allows you to remove and replace the damaged plank(s). More information and instructions for use are available on www.par-ky.com.

Reference service life

The service life is declared in accordance with the *BBSR*, table "Service lives of components for life cycle assessment according to *BNB*".

Name	Value	Unit
Life span According to BBSR	15	years
Life span according to the manufacturer	See section 2.12	-

End of life (C1-C4)

Demolition C1
Parquet is typically removed from the building in a manual process. It is anticipated that the environmental impact of this process is neglectable.

Transport to waste treatment C2
After the parquet is removed from the application is transported to a waste treatment facility. In the waste treatment scenario in this LCA a transport distance of 50 km is assumed (*ecoinvent*: "Transport, freight, lorry, unspecified {GLO}| market group for transport, freight, lorry, unspecified | Cut-off)".

Waste processing (C3)
The waste treatment scenario in this study assumes that at the waste treatment facility the parquet is chipped into wood chips. The following ecoinvent process is used: "Wood chipping, industrial residual wood, stationary electric chipper {GLO}| market for | Cut-off".

Final waste treatment (C4)
The waste treatment scenario in this study assumes that the wood chips are used for incineration with energy recovery. It is assumed that the energy efficiency of energy recovery is 18 % electric and 31 % thermal. Since this efficiency is <60 %, the incineration process is included in module C4.

Name	Value	Unit
Collected separately waste wood	7.54	kg
Energy recovery	7.54	kg

Reuse, recovery and/or recycling potentials (D), relevant scenario information.

The benefit of the recuperation of electricity and heat that often occurs in waste incineration plants was included in module D.

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5. LCA: Results

DESCRIPTION OF THE SYSTEM BOUNDARY (X = INCLUDED IN LCA; ND = MODULE OR INDICATOR NOT DECLARED; MNR = MODULE NOT RELEVANT)

Product stage			Construction process stage		Use stage							End of life stage				Benefits and loads beyond the system boundaries
Raw material supply	Transport	Manufacturing	Transport from the gate to the site	Assembly	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse-Recovery-Recycling-potential
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
X	X	X	MND	MND	MND	MND	MNR	MNR	MNR	MND	MND	X	X	X	X	X

RESULTS OF THE LCA - ENVIRONMENTAL IMPACT according to EN 15804+A2: 1 m² veneered flooring

Parameter	Unit	A1-A3	C1	C2	C3	C4	D
Global Warming Potential total (GWP-total)	kg CO_2 eq	-2.97E+00	0	1.04E-01	1.06E-01	1.36E+01	-5.02E-01
Global Warming Potential fossil fuels (GWP-fossil)	kg CO_2 eq	1.03E+01	0	1.04E-01	1.05E-01	1.12E-01	-4.51E-01
Global Warming Potential biogenic (GWP-biogenic)	kg CO_2 eq	-1.35E+01	0	4.81E-05	8.25E-04	1.35E+01	-4.65E-02
Global Warming Potential luluc (GWP-luluc)	kg CO_2 eq	1.47E-01	0	3.81E-05	1.89E-04	2.01E-05	-5.19E-03
Depletion potential of the stratospheric ozone layer (ODP)	kg CFC11 eq	7.32E-07	0	2.3E-08	4.77E-09	9E-09	-1.32E-07
Acidification potential of land and water (AP)	mol H^+ eq	7.17E-02	0	6.04E-04	5.34E-04	1.26E-03	-1.47E-02
Eutrophication potential aquatic freshwater (EP-freshwater)	kg P eq	1.48E-03	0	1.05E-06	6.41E-06	1.46E-06	-4.62E-05
Eutrophication potential aquatic marine (EP-marine)	kg N eq	1.26E-02	0	2.13E-04	8.89E-05	5.97E-04	-4.29E-03
Eutrophication potential terrestrial (EP-terrestrial)	mol N eq	1.43E-01	0	2.35E-03	1.01E-03	6.36E-03	-7.06E-02
Formation potential of tropospheric ozone photochemical oxidants (POCP)	kg NMVOC eq	4.77E-02	0	6.7E-04	2.72E-04	1.56E-03	-1.24E-02
Abiotic depletion potential for non fossil resources (ADPE)	kg Sb eq	8.71E-05	0	2.64E-06	2.59E-07	1.45E-06	-6.62E-06
Abiotic depletion potential for fossil resources (ADPF)	MJ	1.59E+02	0	1.57E+00	1.44E+00	9.83E-01	-5.42E+00
Water use (WDP)	m^3 world eq deprived	2.9E+00	0	5.62E-03	1.76E-02	-8.71E-02	-4.83E-02

RESULTS OF THE LCA - INDICATORS TO DESCRIBE RESOURCE USE according to EN 15804+A2: 1 m² veneered flooring

Parameter	Unit	A1-A3	C1	C2	C3	C4	D
Renewable primary energy as energy carrier (PERE)	MJ	2.29E+02	0	1.97E-02	1.77E-01	2.24E-02	-1.17E+02
Renewable primary energy resources as material utilization (PERM)	MJ	0	0	0	0	0	0
Total use of renewable primary energy resources (PERT)	MJ	2.29E+02	0	1.97E-02	1.77E-01	2.24E-02	-1.17E+02
Non renewable primary energy as energy carrier (PENRE)	MJ	1.67E+02	0	1.67E+00	1.52E+00	1.07E+00	-5.76E+00
Non renewable primary energy as material utilization (PENRM)	MJ	0	0	0	0	0	0
Total use of non renewable primary energy resources (PENRT)	MJ	1.67E+02	0	1.67E+00	1.52E+00	1.07E+00	-5.76E+00
Use of secondary material (SM)	kg	0	0	0	0	0	0
Use of renewable secondary fuels (RSF)	MJ	0	0	0	0	0	0
Use of non renewable secondary fuels (NRSF)	MJ	0	0	0	0	0	0
Use of net fresh water (FW)	m^3	9.81E-02	0	1.91E-04	8.56E-04	-1.64E-03	-1.44E-03

RESULTS OF THE LCA – WASTE CATEGORIES AND OUTPUT FLOWS according to EN 15804+A2: 1 m² veneered flooring

Parameter	Unit	A1-A3	C1	C2	C3	C4	D
Hazardous waste disposed (HWD)	kg	2.29E-02	0	3.98E-06	5.89E-07	2.28E-06	-1.92E-05
Non hazardous waste disposed (NHWD)	kg	1.85E+00	0	9.96E-02	9.64E-03	8.91E-02	-2.1E-01
Radioactive waste disposed (RWD)	kg	7.33E-04	0	1.03E-05	5.55E-06	2.18E-06	-3.48E-05
Components for re-use (CRU)	kg	0	0	0	0	0	0
Materials for recycling (MFR)	kg	0	0	0	0	0	0
Materials for energy recovery (MER)	kg	0	0	0	0	0	0
Exported electrical energy (EEE)	MJ	0	0	0	0	1.94E+01	0
Exported thermal energy (EET)	MJ	0	0	0	0	3.35E+01	0

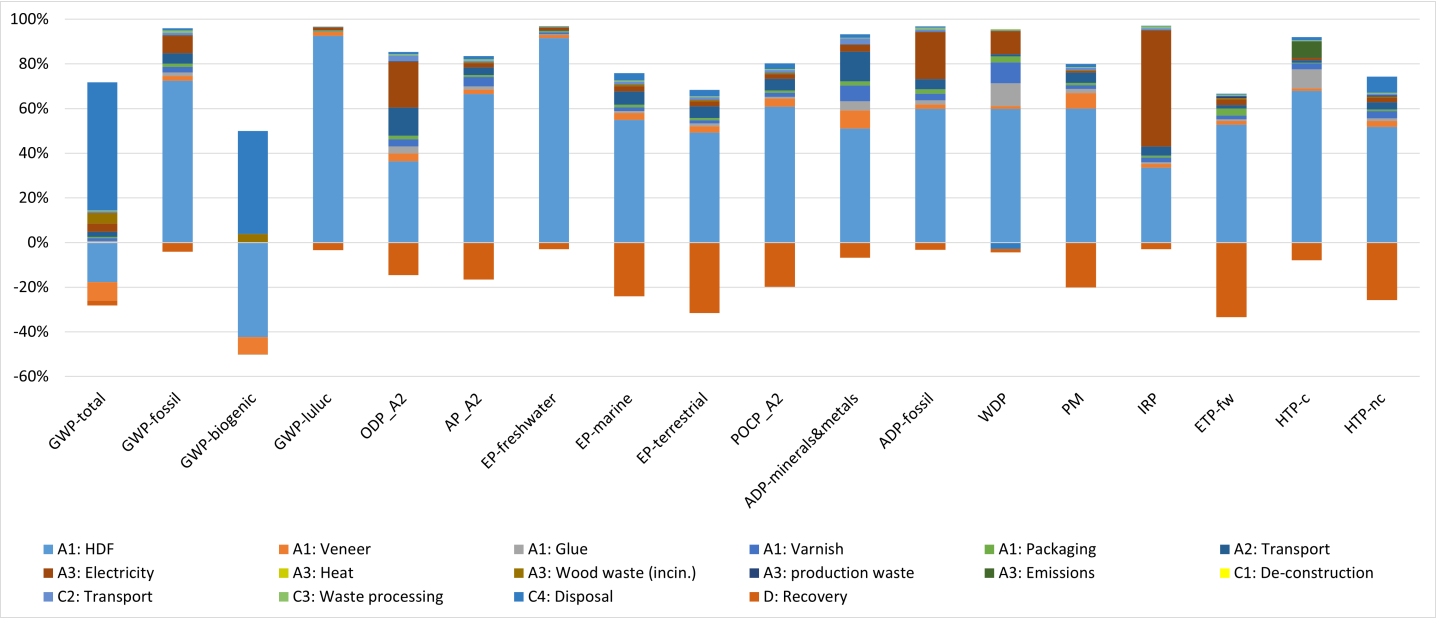
RESULTS OF THE LCA – additional impact categories according to EN 15804+A2-optional: 1 m² veneered flooring

Parameter	Unit	A1-A3	C1	C2	C3	C4	D
Incidence of disease due to PM emissions (PM)	Disease incidence	7.65E-07	0	9.35E-09	3.74E-09	1.31E-08	-1.99E-07
Human exposure efficiency relative to U235 (IR)	kBq U235 eq	7.4E-01	0	6.58E-03	7.37E-03	1.61E-03	-2.27E-02
Comparative toxic unit for ecosystems (ETP-fw)	CTUe	2.8E+02	0	1.4E+00	1.88E+00	1.76E+00	-1.43E+02
Comparative toxic unit for humans (carcinogenic) (HTP-c)	CTUh	1.86E-08	0	4.54E-11	3.82E-11	3.13E-10	-1.63E-09
Comparative toxic unit for humans (noncarcinogenic) (HTP-nc)	CTUh	1.52E-07	0	1.53E-09	1.07E-09	1.66E-08	-5.94E-08
Soil quality index (SQP)	SQP	1.19E+03	0	1.36E+00	2.59E-01	3.08E-01	-5.6E+02

Disclaimer 1 – for the indicator “Potential Human exposure efficiency relative to U235”. This impact category deals mainly with the eventual impact of low-dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.

Disclaimer 2 – for the indicators “abiotic depletion potential for non-fossil resources”, “abiotic depletion potential for fossil resources”, “water (user) deprivation potential, deprivation-weighted water consumption”, “potential comparative toxic unit for ecosystems”, “potential comparative toxic unit for humans – cancerogenic”, “Potential comparative toxic unit for humans - not cancerogenic”, “potential soil quality index”. The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.

6. LCA: Interpretation



To visualize which materials and processes give the largest contribution to the environmental indicators, a major contributions analysis has been included. In the graph, the total value of each indicator has been set to 100 %. The colours indicate which part of the environmental effects are caused by the different materials and processes in the life cycle of the parquet.

The production of HDF gives the largest contribution to most of the environmental indicators. The exceptions are GWP where the incineration of wood (waste) gives the largest contribution.

7. Requisite evidence

Use phase (B) is not in the scope of this LCA, however, the emissions to indoor air will be mentioned informatively. VOC emission test reports by *Eurofins Product Testing A/S*, Smedeskovvej 38, 8464 Galten, Denmark are available. The highest measured values of all objects, included in group 1, is given.

7.1. Formaldehyde

Test method: EN 16516

Name	Value	Unit
EN 717-1	13	µg/m³

7.2. VOC emissions

AgBB overview of results (28 days [µg/m³])

Name	Value	Unit
TVOC (C6 - C16)	12	µg/m^3
Sum SVOC (C16 - C22)	< 5	µg/m^3
R (dimensionless)	0.79	-
VOC without NIK	< 5	µg/m^3
Carcinogenic Substances	< 1	µg/m^3
Formaldehyde	13	µg/m³

AgBB overview of results (3 days [µg/m³])

Name	Value	Unit
TVOC (C6 - C16)	96	µg/m^3
Sum SVOC (C16 - C22)	< 5	µg/m^3
R (dimensionless)	26	-
VOC without NIK	< 5	µg/m^3
Carcinogenic Substances	< 1	µg/m^3

Comparison with limit values of

- French VOC Regulation
- French CMR Components
- Belgian Regulation

Name	Value	Unit
French VOC Regulation	A(+)	-
French CMR Components	Pass	-
Belgian Regulation	Pass	-

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8. References

Standards

EN 322
EN 322:1994, Wood-based panels - Determination of moisture content

EN 717-1
EN 717-1:2004, Wood-based panels - Determination of formaldehyde release - Part 1: Formaldehyde emission by the chamber method

EN 12667
EN 12667:2001, Thermal performance of building materials and products - Determination of thermal resistance by means of guarded hot plate and heat flow meter methods - Products of high and medium thermal resistance

EN 13501-1
EN 13501-1:2019, Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests

ISO 14025
ISO 14025:2006 Environmental labels and declarations — Type III environmental declarations — Principles and procedures, 2006.

ISO 14040
ISO 14040:2006 Environmental management — Life cycle assessment — Principles and framework, 2006.

ISO 14044
ISO 14044:2006 Environmental management — Life cycle assessment — Requirements and guidelines, 2006.

EN 14342
EN 14342:2013, Wood flooring - Characteristics, evaluation of conformity and marking

EN 14354
EN 14354: 2017, Wood veneer floor coverings

CEN/TS 15676
CEN/TS 15676:2007, Wood flooring, slip resistance

EN 15804
EN 15804:2012+A2:2019, Sustainability of construction works - Environmental product declarations - Core rules for the product category of construction products, 2019.

EN 16485
EN 16485:2014; Round and sawn timber - Environmental Product Declarations - Product category rules for wood and wood-based products for use in construction, 2014.

EN 16516
EN 16516:2017+A1:2020, Construction products: Assessment of release of dangerous substances - Determination of emissions into indoor air.

ISO 21930
ISO 21930:2017 Sustainability in buildings and civil engineering works — Core rules for environmental product declarations of construction products and services, 2017.

Further references

AgBB/ABG
Anforderungen an bauliche Anlagen bezüglich des Gesundheitsschutzes (ABG)

AltholzV
Ordinance on Requirements for the Recovery and Disposal of Waste Wood of 15 August 2002 (BGBl. I p. 3302), last amended by Article 120 of the Ordinance of 19 June 2020 (BGBl. I p. 1328).

Belgian Regulation
Royal decree of May 2015

BBSR
Bundesinstitut für Bau-, Stadt- und Raumforschung

BNB
BNB Code No. 352.812 Useful lives of building components for life cycle analyses according to the Sustainable Building Assessment System, 2017: Wood multilayer parquet. Berlin: Federal Ministry of the Interior, for Construction and Home Affairs.

CDPH
Californian Department of Public Health Standard Method for VOC Emissions

ECHA Candidate List
List of Substances of Very High Concern (SVHC) Candidate for Authorisation (ECHA Candidate List), dated 17.01.2023, published in accordance with Article 59(10) of the REACH Regulation. Helsinki: European Chemicals Agency.

EUROSTAT
European waste classification for statistics

EWC-code
EWC-code 17 02 01: Non-hazardous wood waste

French VOC Regulation
Regulation of March and May 2011 (DEVL1101903D and DEVL1104875A)

French CMR Components
Regulation of April and May 2009

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Forest Stewardship Council License number: FSC-C095327

IBU 2021
Institut Bauen und Umwelt e.V.: General Instructions for the EPD programme of Institut Bauen und Umwelt e.V., Version 2.0, Berlin: Institut Bauen und Umwelt e.V., 2021 HYPERLINK "http://www.ibu-epd." www.ibu-epd.com

Indoor Air Comfort Gold®
Eurofins product certification

M1
Finnish classification test for building materials

PEFC
Programme for the Endorsement of Forest Certification Schemes.
License number: PEFC/07-31-60

PCR Part A
'Product Category Rules for Building-Related Products and Services Part A: Calculation Rules for the Life Cycle Assessment and Requirements on the Project Report according to EN 15804+A2:2019 Version 1.3,'

PCR Part B
'Product Category Rules for Building-Related Products and Services Part B: Requirements on the EPD for Solid wood products.'
Institut Bauen und Umwelt e.V., 2021.

Regulation (EU) No 305/2011
of the European Parliament and of the Council of 9 March 2011 laying down harmonised conditions for the marketing of construction products

Regulation (EU) No 528/2012
of the European Parliament and the Council of 12 May 2012 concerning the making available on the market and use of biocidal products.

Software/database
Ecoinvent database v3.6

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OAB/PR: 35.054 CPF/MF: 662.455.599-87

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Arquivo: L. 429, fls. 29
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Data: 13 de março de 2025

Andréa de Macedo Valério, Intérprete Comercial e Tradutora Pública matriculada e juramentada na Meritíssima Junta Comercial do Estado do Paraná traduziu, em razão de seu ofício, o documento supracitado e escrito no idioma mencionado, cuja tradução é a seguinte:

warringtonfiregent
global safety

Relatório de classificação de reação ao fogo
Nº 17917F

Proprietário do relatório de classificação

DECOSPAN NV
Lageweg 33
8930 Memen
Belgium (Bélgica)

Introdução

Este relatório de classificação define a classificação atribuída ao produto **'Parky PRO'** segundo os procedimentos definidos na norma EN 13501-1:2007+A1:2009: Classificação de fogo de produtos de construção e elementos de construção - Parte 1: classificação usando dados de reação a ensaios de fogo.

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Este relatório de classificação consiste de 6 páginas

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Documento: Relatório de Classificação de Reação ao Fogo
Continuação

1. DETALHES DO PRODUTO CLASSIFICADO

a) Natureza e aplicação de uso final

O produto **Parky PRO** é definido como um 'piso parquet multicamadas'.
Sua classificação é válida para a(s) seguinte(s) aplicação(ões) de uso final:
Usado como piso parquet.

b) Descrição do produto testado

Esta descrição baseia-se na informação fornecida pelo cliente.

	Valores nominais
Parky PRO	
Tipo de produto	O produto testado é um piso de parquet de várias camadas dos seguintes componentes: revestimento de 8 camadas, cola com 2 componentes, placa de fibra de alta densidade (material principal), cola com 2 componentes, fundo em verniz de madeira. As diferentes camadas do produto constam da Figura 1.
Fabricante	DECOSPAN NW
Espessura total (mm)	7,2
Massa de superfície total (g/m^2)	6400
Largura do perfil (mm)	190
Componentes	
1. Revestimento de 8 camadas	
Tipo de produto	Revestimento de base de 6 camadas de verniz UV 2 revestimentos externos consistindo de verniz UV
Fabricante	Hesse
Espessura total (mm)	60 - 70
Massa de superfície total (g/m^2)	100
Uso de retardantes de chamas	Não
Cor	Transparente
2. Camada superior de madeira folheada	
Tipo de produto	Carvalho folheado
Fabricante	M&M
Espessura total (mm)	0,6
Massa de superfície total (g/m^2)	650
Uso de retardantes de chamas	Não
Cor	Aparência de madeira natural

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	Valores nominais
Componentes	
3. Cola de 2 componentes	
Tipo de produto	Cola de 2 componentes à base de ureia-formaldeído
Fabricante	Akzo Nobel
Nome comercial	Casco
Quant. aplicada (g/m^2; úmida)	80
Uso de retardantes de fogo	Não
4. Placa de HDF (material principal)	
Tipo de produto	Placa de fibra de alta densidade (HDF)
Fabricante	Unilin
Espessura (mm)	6
Densidade (kg/m^3)	620 - 650
Uso de retardantes de fogo	Não
5. Cola de 2 componentes	
Idêntica ao componente Nº 3	
6. Base de madeira folheada	
Tipo de produto	Madeira folheada
Fabricante	M&M
Espessura (mm)	0,6
Uso de retardantes de fogo	Não



Na sequência de setas, de cima para baixo: -> 8 revestimentos, -> camada superior de 0,6 mm de madeira verdadeira, -> cola de 2 componentes, -> HDF de 6 mm, -> base em madeira verdadeira

Figura 1: Diferentes camadas de Parky PRO

Maiores detalhes estão disponíveis nos relatórios de ensaio em suporte a esta classificação (§2a).

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Continuação

2. RELATÓRIOS DE ENSAIO E RELATÓRIOS EXAP E RESULTADOS DE ENSAIO EM SUPORTE A ESTA CLASSIFICAÇÃO

a) Relatórios de ensaio (e relatórios EXAP - relatórios de extensão de resultados)

Nome do laboratório	Nome do cliente	Relatório do Ensaio Nº de ref. e data do ensaio	Método do ensaio
WFRGENT nv Ghent, Bélgica	DECOSPAN NV Menen, Bélgica	17917D: 14/07/2016	EN ISO 11925-2 (novembro 2010/AC:2011)
WFRGENT nv Ghent, Bélgica	DECOSPAN NV Menen, Bélgica	17917E: 15/07/2016 e 30/09/2016	EN ISO 9239-1 (junho 2010)

b) Resultados do ensaio

Método do ensaio	Parâmetro	Número de ensaios	Resultados		Critérios para a Classe C_{FL}-s1	
			Parâmetros contínuos	Parâmetros de conformidade	Parâmetros contínuos	Parâmetros de conformidade
EN ISO 11925-2 (*) (1) Aplicação de 15 s de chama Exposição da superfície - frente	 $F_s \leq 150$ mm Papel filtro de ignição	 6	 (-) (-)	 Sim Não	 (-) (-)	 Sim Não
(*) O material não derreteu nem se afastou do queimador piloto. *(1) Com base nos resultados obtidos no relatório de ensaio Nº 17917D.*						
EN ISO 9239-1 (2)	Fluxo crítico (kW/m²) Produção de fumaça (% min)	4	6,5 1,5	(-) (-)	≥ 4,5 ≥ 750	(-) (-)
(2) Com base nos resultados obtidos no relatório de ensaio						

(-) Não aplicável.

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Documento: Relatório de Classificação de Reação ao Fogo
Continuação

3. CLASSIFICAÇÃO E CAMPO DE APLICAÇÃO

a) Referência de classificação
Esta classificação foi realizada segundo a norma EN 13501-1:2007+A1:2009.

b) Classificação
O produto **Parky PRO**, em relação à sua reação ao comportamento do fogo, classifica-se como:

Comportamento do fogo	Produção de fumaça
C_{FL}	s1

b) Campo de aplicação
Esta classificação para o produto conforme descrito em §1b é válida para as seguintes condições de uso final:

- Substrato: Euroclass $A2_{FL}$-s1 ou melhor, com espessura de, no mínimo, 6 mm e densidade de, no mínimo, 1350 kg/m^3.
- Sem lacuna.
- Fixação: montado solto no substrato. Válido também para aplicações onde o produto é colado ou fixado mecanicamente ao substrato.
- Com encaixes macho-fêmea verticais e/ou horizontais.

Esta classificação é válida para os seguintes parâmetros de produto:

- Espessura total: 7,2 mm
- Largura das tábuas: 190 mm
- Espessura do revestimento em 8 camadas: 60 µm - 70 µm
- Espessura da camada superior de madeira folheada: 0,6 mm
- Espessura da camada central em HDF: 6 mm
- Espessura da camada inferior de madeira folheada: 0,6 mm
- Densidade da camada central em HDF: 620 kg/m^3 - 650 kg/m^3
- Sem uso de retardantes de chamas
- Todos os outros parâmetros dos componentes individuais são fornecidos na descrição da produção em § 1b

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Idioma a Traduzir: Inglês
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Continuação

4. RESTRIÇÕES

Quando a norma EN 13501-1:2007+A1:2009 foi publicada não se tomou qualquer decisão sobre a duração da validade de um relatório de classificação.

As provisões do Regulamento (EU) 305/2011, comumente conhecido como Regulamento de Produtos de Construção (CPR), prevalecem sobre quaisquer provisões conflitantes nas normas harmonizadas e especificações técnicas.

5. AVISO

Este relatório de classificação não representa aprovação de tipo nem certificação do produto.

Segundo a informação mencionada pelo cliente na folha de informações técnicas, não havia norma de produto para a marca CE disponível por ocasião do relatório de classificação para o material/produto testado.
Quando uma norma de produto assim for publicada, este relatório poderá ser apresentado novamente ao laboratório para avaliar a adequação do relatório para a marca CE.
O cliente deste relatório, no entanto, comprometeu-se a uma Avaliação e Verificação de Constância de Desempenho (AVCP) de Sistema 3

PREPARADO POR		APROVADO POR	
(assinatura constante)	Niek De Pauw (Assinatura) Assistente de projeto 12.05.2017 08:29:28 +02'00'	*(assinatura constante)*	Bart Sette (Assinatura) Gerente Geral 12.05.2017 11:44:44 +02'00'

Este documento é a versão original deste relatório de classificação e está redigido em inglês.
Este relatório pode ser utilizado apenas literale completamente para publicações. - Para publicações de determinados textos em que esse relatório for mencionado, é necessário obter nossa autorização previamente.
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Documento: Relatório de Ensaio
Arquivo: L. 429, fls. 35
Idioma a Traduzir: Inglês
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62700 BRUAY LA BUISSIERE France
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E-mail : contact@crepim.fr www.crepim.fr
SIRET 792 178 816 00015 / APE 7112B / T.V.A. FR85 792 178 816

Solicitante:	DECOSPAN
Contato:	Louise CHYS
Endereço:	Lageweg 33
Código Postal:	B-8930
Cidade:	MENEN
País:	Bélgica

Número do Pedido:	
Data:	01/10/2024

Relatório N° DO-24-6541\B-R1 emitido em 05/11/2024

Descrição do produto testado

Referência comercial:	Parky Pro
Data do recebimento:	27/09/2024
Descrição:	Piso em madeira composto de uma placa HDF de 6mm coberta de revestimento folheado (cola de ureia formaldeído) e verniz.
Aplicação final:	Revestimento de piso.
Espessura:	7,2 mm (Declarada pelo solicitante)
Densidade:	900 kg/m^3 (Declarada pelo solicitante)
Densidade de superfície:	6,48 kg/m^2 (Calculada pelo laboratório)
Cor:	Carvalho natural
Substrato:	Sem substrato
Modo de fixação:	Sem fixação
Lado exposto:	Lado envernizado
N° do lote:	VO24-20934
Fabricante:	Decospan nv
Condicionamento:	23 ± 2 °C, 50 ± 5% HR

Chama-se a atenção para o fato de que os resultados obtidos com a amostra deste relatório de ensaio não poderão ser generalizados sem justificativa da representatividade das amostras e testes. O relatório de ensaio refere-se apenas à amostra testada. Esses relatórios de ensaio explicam o comportamento de amostras de um material sujeito a condições específicas de ensaio; não pretendem representar o único critério para avaliar o risco do potencial de fogo do produto nas condições de uso.

Os ensaios descritos neste relatório foram conduzidos no laboratório CREPIM Bruay-La-Buissière.
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Resultados segundo ASTM E662 : 2021ae1

Data do recebimento:	27/09/2024
Data do ensaio:	22/10/2024
Dimensões das amostras (mm):	76 mm x 76 mm
Espessura (mm):	7,2

O reconhecimento COFRAC atesta a competência dos laboratórios apenas para os ensaios cobertos pelo reconhecimento.

	Ensaio 1	Ensaio 2	Ensaio 3	Média
Duração do ensaio (seg)	1200	1200	1200	/
Fluxo de calor (kW/m²)	25	25	25	/
Modo	Com chama piloto	Com chama piloto	Com chama piloto	/
Massa inicial (g)	36,8	37,2	36,9	/
Ds90	0,8	2,1	3,2	2
Ds240	8,1	18,5	16	14,2
Dm	147,8	155	195,1	166
t Dm (seg)	1024	997	1136	1052,3
Tc (%)	92	91	85	/
Dmc	143,1	149,6	185,8	159,5
Temperatura da Câmara (°C)	35	36	36	/

	Ensaio 7	Ensaio 8	Ensaio 9	Média
Duração do ensaio (seg)	1200	1200	1200	/
Fluxo de calor (kW/m²)	25	25	25	/
Modo	Sem chama piloto	Sem chama piloto	Sem chama piloto	/
Massa inicial (g)	37,3	37,7	38,9	/
Ds90	0,5	0,4	0,6	0,5
Ds240	38,2	54,1	44,3	45,5
Dm	411,5	473,5	468,2	451,1
t Dm (seg)	1199	1194	1201	1198,0
Tc (%)	89	70	82	/
Dmc	404,8	453,1	456,9	438,3
Temperatura da Câmara (°C)	36	36	35	/

Observações:	/

Diretor de Testes:	Laura EVRAD	***(assinatura constante)***
Gerente Técnico:	Skander KHELIFI	***(assinatura constante)***

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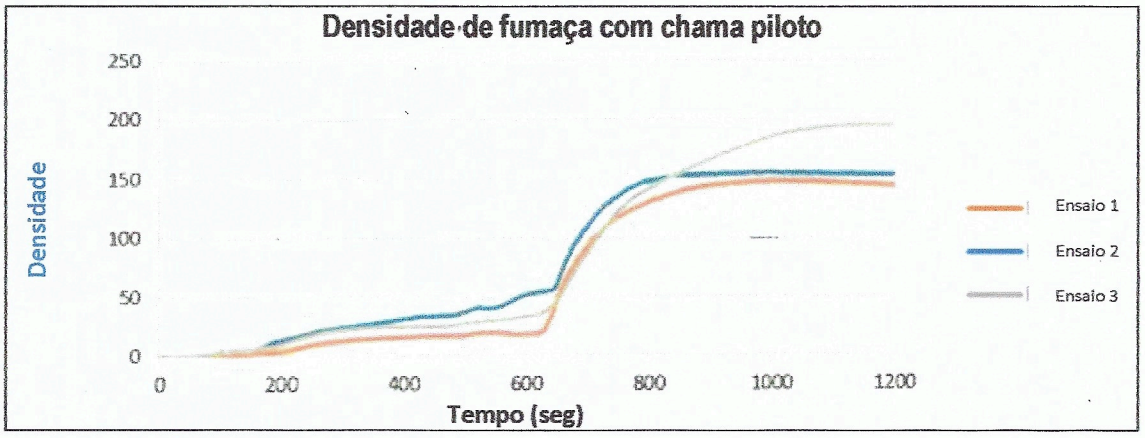
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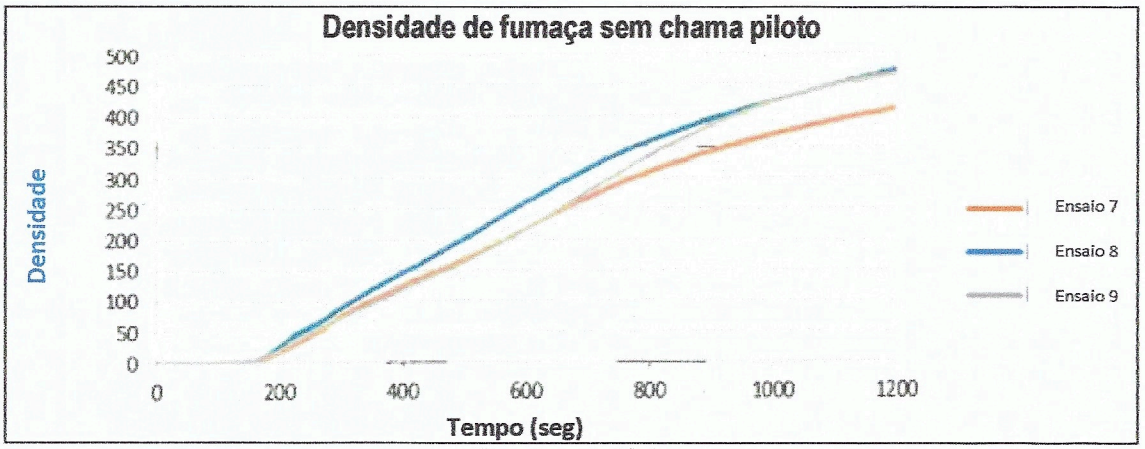
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Anexo 1: Gráficos





Fim do relatório

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