



# SHI-PRODUKTPASS

Produkte finden - Gebäude zertifizieren

SHI-Produktpass-Nr.:

**15340-10-1000**

## 3-schicht Landhausdielen Geölt

Warengruppe: Parkett



Podłogi Sp. z o.o.  
ul. Kolejowa 7  
37-100 Łańcut



### Produktqualitäten:











*Köttner*

Helmut Köttner  
Wissenschaftlicher Leiter  
Freiburg, den 11.05.2026



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Wir sind stolz darauf, dass die SHI-Datenbank, die erste und einzige Datenbank für Bauprodukte ist, die ihre umfassenden Prozesse sowie die Aktualität regelmäßig von dem unabhängigen Prüfunternehmen SGS-TÜV Saar überprüfen lässt.





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## SHI-Produktbewertung 2024

Seit 2008 etabliert die Sentinel Holding Institut GmbH (SHI) einen einzigartigen Standard für schadstoffgeprüfte Produkte. Experten führen unabhängige Produktprüfungen nach klaren und transparenten Kriterien durch. Zusätzlich überprüft das unabhängige Prüfunternehmen SGS-TÜV Saar regelmäßig die Prozesse und Aktualität.

Kriterium	Produktkategorie	Schadstoffgrenzwert	Bewertung
SHI-Produktbewertung	Bodenbeläge aus Holz /-werkstoff	TVOC $\leq 300 \mu\text{g}/\text{m}^3$ Formaldehyd $\leq 36 \mu\text{g}/\text{m}^3$	Schadstoffgeprüft
Gültig bis: 25.06.2027			



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## **QNG - Qualitätssiegel Nachhaltiges Gebäude**

Das Qualitätssiegel Nachhaltiges Gebäude, entwickelt durch das Bundesministerium für Wohnen, Stadtentwicklung und Bauwesen (BMWSB), legt Anforderungen an die ökologische, soziokulturelle und ökonomische Qualität von Gebäuden fest. Das Sentinel Holding Institut prüft Bauprodukte gemäß den QNG-Anforderungen für eine Zertifizierung und vergibt das QNG-ready Siegel. Das Einhalten des QNG-Standards ist Voraussetzung für den KfW-Förderkredit. Für bestimmte Produktgruppen hat das QNG derzeit keine spezifischen Anforderungen definiert. Diese Produkte sind als nicht bewertungsrelevant eingestuft, können jedoch in QNG-Projekten genutzt werden.

Kriterium	Pos. / Bauproduktgruppe	Betrachtete Stoffe	QNG Freigabe
3.1.3 Schadstoffvermeidung in Baumaterialien	2.3 Mehrschichtiges Holzparkett, Bambusbeläge und Bodenbeläge auf Holzwerkstoff- Trägerplatten	VOC / Emissionen / gefährliche Stoffe	QNG-ready
<b>Nachweis:</b> Blauer Engel Zertifizierung			

Kriterium	Bewertung
ANF2-WG1 Nachhaltige Materialgewinnung	Kann Gesamtbewertung positiv beeinflussen
<b>Nachweis:</b> FSC zertifiziert	



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## **DGNB Neubau 2023**

Das DGNB-System (Deutsche Gesellschaft für Nachhaltiges Bauen) bewertet die Nachhaltigkeit von Gebäuden verschiedener Art. Das System ist sowohl anwendbar für private und gewerbliche Großprojekte als auch für kleinere Wohngebäude. Die Version 2023 setzt hohe Standards für ökologische, ökonomische, soziokulturelle und funktionale Aspekte während des gesamten Lebenszyklus eines Gebäudes.

Kriterium	Pos. / Relevante Bauteile / Bau-Materialien / Flächen	Betrachtete Stoffe / Aspekte	Qualitätsstufe
ENV 1.2 Risiken für die lokale Umwelt, 03.05.2024 (3. Auflage)	47c Holzwerkstoffe bei Bodenbelägen	VVOC, VOC, SVOC Emissionen und Gehalt an gefährlichen Stoffen	Qualitätsstufe: 4
<b>Nachweis:</b> Blauer Engel Zertifizierung			

Kriterium	Pos. / Relevante Bauteile / Bau-Materialien / Flächen	Betrachtete Stoffe / Aspekte	Qualitätsstufe
ENV 1.2 Risiken für die lokale Umwelt, 29.05.2025 (4. Auflage)	47c Bodenbeläge in der Innenanwendung (aus Holzwerkstoffen)	VVOC, VOC, SVOC Emissionen und Gehalt an gefährlichen Stoffen	Qualitätsstufe: 4
<b>Nachweis:</b> Blauer Engel Zertifizierung			

Kriterium	Bewertung
ECO 1.1 Gebäudebezogene Kosten im Lebenszyklus (*)	Kann Gesamtbewertung positiv beeinflussen
<b>Nachweis:</b> Langlebigkeit > 40 Jahre. Geringe Instandsetzungskosten durch partielle Reparierbarkeit (geölte Oberfläche). Positive Auswirkung auf das Heizverhalten durch hohe thermische Behaglichkeit.	



Kriterium	Bewertung
ECO 2.6 Klimaresilienz (*)	Kann Gesamtbewertung positiv beeinflussen
<b>Nachweis:</b> Holz dämmt natürlich und dämpft Temperaturschwankungen	

Kriterium	Bewertung
ENV 1.1 Klimaschutz und Energie (*)	Kann Gesamtbewertung positiv beeinflussen
<b>Nachweis:</b> Es liegt eine EPD vor.	

Kriterium	Qualitätsstufe
ENV 1.3 Verantwortungsbewusst Ressourcengewinnung	Kann Gesamtbewertung positiv beeinflussen
<b>Nachweis:</b> FSC zertifiziert	

Kriterium	Bewertung
SOC 1.1 Thermischer Komfort (*)	Kann Gesamtbewertung positiv beeinflussen
<b>Nachweis:</b> Die offenporige, geölte Oberfläche wirkt hygroskopisch und puffert aktiv Luftfeuchtigkeit. Zudem wirkt Holz thermisch ausgleichend und reguliert so passiv das Raumklima.	

Kriterium	Bewertung
SOC 1.2 Innenraumluftqualität (*)	Kann Gesamtbewertung positiv beeinflussen
<b>Nachweis:</b> SHI-Schadstoffgeprüft	

Kriterium	Bewertung
SOC 1.3 Schallschutz und akustischer Komfort (*)	Kann Gesamtbewertung positiv beeinflussen
<b>Nachweis:</b> Verbessert durch die Masse den Schallschutz (Trittschall). Holz absorbiert zudem Schallenergie besser als harte Fliesen, reduziert Nachhallzeiten und sorgt für angenehme Raumakustik.	



Kriterium	Bewertung
SOC 1.4 Visueller Komfort (*)	Kann Gesamtbewertung positiv beeinflussen
<b>Nachweis:</b> Helle Holzsorten reflektieren Licht besser (Lichtreflexionsgrad), reduzieren den Bedarf an Kunstlicht und unterstützen so eine effiziente Ausleuchtung der Innenräume.	

Kriterium	Bewertung
SOC 2.1 Barrierefreiheit (*)	Kann Gesamtbewertung positiv beeinflussen
<b>Nachweis:</b> Durch die geringe Aufbauhöhe und schwellenlose Verlegung ermöglicht Parkett ebene Übergänge. Die rutschhemmende, geölte Oberfläche bietet zudem Sicherheit für alle Nutzergruppen.	



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## DGNB Neubau 2018

Das DGNB-System (Deutsche Gesellschaft für Nachhaltiges Bauen) bewertet die Nachhaltigkeit von Gebäuden verschiedener Art. Das System ist sowohl anwendbar für private und gewerbliche Großprojekte als auch für kleinere Wohngebäude.

Kriterium	Pos. / Relevante Bauteile / Bau-Materialien / Flächen	Betrachtete Stoffe / Aspekte	Qualitätsstufe
ENV 1.2 Risiken für die lokale Umwelt	47a Industriell hergestellte Erzeugnisse Serienerzeugnisse / Fertigprodukte aus Holzwerkstoffen in Innenräumen: Spanplatten, Furnierplatten, Faserplatten	Formaldehyd	Qualitätsstufe: 4

**Nachweis:** Blauer Engel Zertifizierung



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## **BNB-BN Neubau V2015**

Das Bewertungssystem Nachhaltiges Bauen ist ein Instrument zur Bewertung von Büro- und Verwaltungsgebäuden, Unterrichtsgebäuden, Laborgebäuden sowie Außenanlagen in Deutschland. Das BNB wurde vom damaligen Bundesministerium für Umwelt, Naturschutz, Bau und Reaktorsicherheit (BMUB) entwickelt und unterliegt heute dem Bundesministerium für Wohnen, Stadtentwicklung und Bauwesen.

Kriterium	Pos. / Bauprodukttyp	Betrachtete Schadstoffgruppe	Qualitätsniveau
1.1.6 Risiken für die lokale Umwelt	2a Elastische Bodenbeläge – mit und ohne ankaschierte Verlege- oder Dämmunterlage	VOC / gefährliche Stoffe / Schwermetalle	Qualitätsniveau 5
<b>Nachweis:</b> Blauer Engel Zertifizierung			

Kriterium	Bewertung
1.1.7 Nachhaltige Materialgewinnung	Kann Gesamtbewertung positiv beeinflussen
<b>Nachweis:</b> FSC zertifiziert	



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## EU-Taxonomie

Die EU-Taxonomie klassifiziert wirtschaftliche Aktivitäten und Produkte nach ihren Umweltauswirkungen. Auf der Produktebene gibt es gemäß der EU-Verordnung klare Anforderungen zu Formaldehyd und flüchtigen organischen Verbindungen (VOC). Die Sentinel Holding Institut GmbH kennzeichnet qualifizierte Produkte, die diesen Standard erfüllen.

Kriterium	Produkttyp	Betrachtete Stoffe	Bewertung
DNSH - Vermeidung und Verminderung der Umweltverschmutzung		Stoffe nach Anlage C, Formaldehyd, Karzinogene VOC Kategorie 1A/1B	EU-Taxonomie konform

**Nachweis:** Blauer Engel Zertifizierung. Herstellererklärung vom 08.05.2026



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## BREEAM DE Neubau 2018

BREEAM (Building Research Establishment Environmental Assessment Methodology) ist ein britisches Gebäudebewertungssystem, welches die Nachhaltigkeit von Neubauten, Sanierungsprojekten und Umbauten einstuft. Das Bewertungssystem wurde vom Building Research Establishment (BRE) entwickelt und zielt darauf ab, ökologische, ökonomische und soziale Auswirkungen von Gebäuden zu bewerten und zu verbessern.

Kriterium	Produktkategorie	Betrachtete Stoffe	Qualitätsstufe
Hea 02 Qualität der Innenraumluft	Bodenbeläge (einschließlich Bodenspachtelmassen und Harzböden)	Emissionen: Formaldehyd, TVOC, TSVOC, Krebserregende Stoffe	herausragende Qualität
<b>Nachweis:</b> Prüfbericht des Instituts EPH Dresden vom 25.06.2025 (Nr. 2524671).			



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## LEED v4.1

LEED (Leadership in Energy and Environmental Design) ist ein international anerkanntes Gebäudezertifizierungssystem des U.S. Green Building Council. Es zählt zu den weltweit am weitesten verbreiteten Nachhaltigkeitsstandards für Gebäude und wird insbesondere bei international ausgerichteten Projekten eingesetzt. LEED bewertet Gebäude ganzheitlich in Kategorien wie Energieeffizienz, Ressourcenschonung, Materialauswahl, Innenraumqualität und Standortqualität. Je nach erreichter Punktzahl werden die Zertifizierungsstufen LEED Certified, Silver, Gold oder Platinum vergeben.

Kriterium	Produktkategorie	Betrachtete Stoffe	Bewertung
EQ Credit: Low-Emitting Materials	Bodenbeläge	Emissionen: Formaldehyd, VOC, Krebserregende Stoffe	Erfüllt

**Nachweis:** Prüfbericht des Instituts EPH Dresden vom 25.06.2025 (Nr. 2524671).



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## Produktsiegel

In der Baubranche spielt die Auswahl qualitativ hochwertiger Materialien eine zentrale Rolle für die Gesundheit in Gebäuden und deren Nachhaltigkeit. Produktlabels und Zertifikate bieten Orientierung, um diesen Anforderungen gerecht zu werden. Allerdings besitzt jedes Zertifikat und Label eigene Prüfkriterien, die genau betrachtet werden sollten, um sicherzustellen, dass sie den spezifischen Bedürfnissen eines Bauvorhabens entsprechen.



Das Zeichen des Forest Stewardship Council zeichnet Holz und holzhaltige (Misch-)Produkte aus, die aus nachhaltiger überwachter Forstwirtschaft stammen. Gesundheitliche Kriterien spielen keine Rolle.



Der vom Umweltbundesamt als Zeichengeber und vom RAL e.V. als verantwortliche Prüforganisation verliehene „Blaue Engel“ ist eines der ältesten und in Deutschland das am häufigsten vorkommende Umweltzeichen. Den „Blauen Engel“ gibt es in zahlreichen Ausprägungen für die unterschiedlichsten Produktgruppen. Die zugrunde liegenden Prüfkriterien der jeweiligen Umweltzeichen (UZ) sollten in gesundheitlicher Hinsicht individuell betrachtet werden, da es durchaus Unterschiede in der Relevanz und Strenge gibt.



Das Institut Techniki Budowlanej (ITB) ist das führende polnische Institut für Bautechnik und agiert unter der Autorität des Ministeriums für Entwicklung und Technologie der Republik Polen. Als notifizierte und akkreditierte Prüfstelle bewertet und verifiziert das ITB Umweltproduktdeklarationen (EPD) gemäß ISO 14025 und EN 15804. Damit trägt das Institut wesentlich zur Transparenz und Vergleichbarkeit ökologischer Produktinformationen bei und unterstützt Hersteller sowie Planer bei der nachhaltigen Bewertung von Bauprodukten im europäischen Kontext.



Dieses Produkt ist schadstoffgeprüft und wird vom Sentinel Holding Institut empfohlen. Gesundes Bauen, Modernisieren und Betreiben von Immobilien erfolgt dank des Sentinel Holding Konzepts nach transparenten und nachvollziehbaren Kriterien.



Produkte mit dem QNG-ready Siegel des Sentinel Holding Instituts eignen sich für Projekte, für welche das Qualitätssiegel Nachhaltiges Gebäude (QNG) angestrebt wird. QNG-ready Produkte erfüllen die Anforderungen des QNG Anhangdokument 3.1.3 "Schadstoffvermeidung in Baumaterialien". Das KfW-Kreditprogramm Klimafreundlicher Neubau mit QNG kann eine höhere Fördersumme ermöglichen.



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## Rechtliche Hinweise

(\* ) Die Kriterien dieses Steckbriefs beziehen sich auf das gesamte Bauobjekt. Die Bewertung erfolgt auf der Ebene des Gebäudes. Im Rahmen einer sachgemäßen Planung und fachgerechten Installation können einzelne Produkte einen positiven Beitrag zum Gesamtergebnis der Bewertung leisten. Das Sentinel Holding Institut stützt sich einzig auf die Angaben des Herstellers.

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Alle Kriterien finden Sie unter:

<https://www.sentinel-holding.eu/de/Themenwelten/Pr%C3%BCfkriterien%20f%C3%BCr%20Produkte>

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### Herausgeber

Sentinel Holding Institut GmbH  
Bötzingen Str. 38  
79111 Freiburg im Breisgau  
Tel.: +49 761 590 481-70  
info@sentinel-holding.eu  
www.sentinel-holding.eu

## OAK PREMIUM WIDE PLANK



### PRODUCT DESCRIPTION

General:	Product consists of three layers: a noble oak surface layer, a middle layer made of pine slats and a bottom layer made of spruce veneer
Appearance:	Specially selected material with a delicate wood grain and subdued, uniform colouring. Small knots allowed only. Sapwood does not occur.
Pattern:	1-strips, Premium grade
Surface finishing:	Light or strong brush
Oil:	Saicos Hardwax Oil, Gloss 5-9, 30g/m <sup>2</sup>
Connecton system:	A Tongue-and-groove joint or a Vålinge Click 5G system
Hardness according to EN 13489:	Average hardness 37 MPa
Moisture content:	7% +/- 2%
Floor heating installation:	Yes, max. 27°

### DIMENSIONS & TOLERANCES (EN 13489)

Thickness (≤ 0.2mm):	15 or 14mm
Length (+/- 0.1%):	from 1080 to 3000mm (1080, 1600, 1800, 2000, 2200, 2400, 3000 mm)
Width (+/- 0.2mm):	from 140 to 300 mm (140, 160, 190, 250, 300 mm)

## TECHNICAL SPECIFICATIONS

Top layer:	4mm or 3mm oak
Middle layer:	9mm pine
Bottom layer:	2mm spruce veneer
Fire class:	Cfls-S1
Formaldehyde content:	E1, < LOD (264 h)
Thermal conductivity:	0,12 W/(m*K)
PCP content:	PCP < 5 x IO 6"
Slip resistance:	USRV58

## GRADING DESCRIPTION\*

Healthy knots:	Acceptable up to 5mm, sporadically
Unhealthy knots with filler:	Not allowed
Unhealthy knot holes:	Not allowed
Bark pockets:	Not allowed
Structure:	Varied
Colour:	Varied
Arrangement of fibres:	Varied
Silver grains:	Acceptable
Sapwood:	Not allowed
Middle and end cracks:	Not allowed
Heartwood:	Not allowed

\*Up to 3 % of the products may have a different grading than the described above according to EN 13489

## PRODUCT LABELLING



[www.blauer-engel.de/uz176](http://www.blauer-engel.de/uz176)

## OAK STANDARD WIDE PLANK



### PRODUCT DESCRIPTION

General:	Product consists of three layers: a noble oak surface layer, a middle layer made of pine slats and a bottom layer made of spruce veneer
Appearance:	The wood contains very few and small knots. Colour variation is controlled to the minimum. The finish will be clear, with virtually no major visible flaws.
Pattern:	1-strips, Standard grade
Surface finishing:	Light or strong brush
Oil:	Saicos Hardwax Oil, Gloss 5-9, 30g/m <sup>2</sup>
Connecton system:	A Tongue-and-groove joint or a Välinge Click 5G system
Hardness according to EN 13489:	Average hardness 37 MPa
Moisture content:	7% +/- 2%
Floor heating installation:	Yes, max. 27°

### DIMENSIONS & TOLERANCES (EN 13489)

Thickness (≤ 0.2mm):	15 or 14mm
Length (+/- 0.1%):	from 1800 to 2400mm (1800, 2000, 2200, 2400 mm)
Width (+/- 0.2mm):	190 mm

## TECHNICAL SPECIFICATIONS

Top layer:	4mm or 3mm oak
Middle layer:	9mm pine
Bottom layer:	2mm spruce veneer
Fire class:	Cfls-S1
Formaldehyde content:	E1, < LOD (264 h)
Thermal conductivity:	0,12 W/(m*K)
PCP content:	PCP < 5 x IO 6"
Slip resistance:	USRV58

## GRADING DESCRIPTION\*

Healthy knots:	Acceptable up to 50mm
Unhealthy knots with filler:	Acceptable up to 30mm
Unhealthy knot holes:	Acceptable up to 15mm
Bark pockets:	Not allowed
Structure:	Varied
Colour:	Varied
Arrangement of fibres:	Varied
Silver grains:	Acceptable without limit
Sapwood:	Not allowed
Middle and end cracks:	Not allowed
Heartwood:	Not allowed

\*Up to 3 % of the products may have a different grading than the described above according to EN 13489

## PRODUCT LABELLING



## OAK STYLE WIDE PLANK



### PRODUCT DESCRIPTION

General:	Product consists of three layers: a noble oak surface layer, a middle layer made of pine slats and a bottom layer made of spruce veneer
Appearance:	Products are characterized by clear and contrasting grains, as well as visible knots and cracks. The putty used to fill in the cracks can be either lighter or darker in colour. The floor darkens under the influence of UV rays.
Pattern:	1-strip, Rustic grade
Surface finishing:	Light or strong brush
Oil:	Saicos Hardwax Oil, Gloss 5-9, 30g/m <sup>2</sup>
Connecton system:	A Tongue-and-groove joint or a Vålinge Click 5G system
Hardness according to EN 13489:	Average hardness 37 MPa
Moisture content:	7% +/- 2%
Floor heating installation:	Yes, max. 27°

### DIMENSIONS & TOLERANCES (EN 13489)

Thickness (≤ 0.2mm):	15 or 14mm
Length (+/- 0.1%):	from 1080 to 3000mm (1080, 1600, 1800, 2000, 2200, 2400, 3000 mm)
Width (+/- 0.2mm):	from 140 to 300 mm (140, 160, 190, 250, 300 mm)

## TECHNICAL SPECIFICATIONS

Top layer:	4mm or 3mm oak
Middle layer:	9mm pine
Bottom layer:	2mm spruce veneer
Fire class:	Cfls-S1
Formaldehyde content:	E1, < LOD (264 h)
Thermal conductivity:	0,12 W/(m*K)
PCP content:	PCP < 5 x IO 6"
Slip resistance:	USRV58

## GRADING DESCRIPTION\*

Healthy knots:	Acceptable up to 80mm in diameter
Unhealthy knots with filler:	Acceptable up to 60mm in diameter
Unhealthy knot holes:	Acceptable up to 40mm in diameter
Bark pockets:	Acceptable
Structure:	Varied
Colour:	Varied
Arrangement of fibres:	Varied
Silver grains:	Acceptable without limit
Sapwood:	Not allowed
Middle and end cracks:	Acceptable
Heartwood:	Acceptable

\*Up to 3 % of the products may have a different grading than the described above according to EN 13489

## PRODUCT LABELLING





Issuance date: 20.12.2024

Validity date: 20.12.2029

## Three-layer wooden floorboards



### Owner of the EPD:

Podłogi Sp. z o.o.  
Address: Kolejowa 7  
37-100 Łańcut, Poland  
Tel.: +48 784 204 482  
Website: [www.podlogi.eu.com](http://www.podlogi.eu.com)  
Contact: [biuro@podlogilancuckie.pl](mailto:biuro@podlogilancuckie.pl)

### EPD Program Operator:

Instytut Techniki Budowlanej (ITB)  
Address: Filtrowa 1  
00-611 Warsaw, Poland  
Website: [www.itb.pl](http://www.itb.pl)  
Contact: [energia@itb.pl](mailto:energia@itb.pl)

ITB is the verified member of The European Platform for EPD program operators and LCA practitioner [www.eco-platform.org](http://www.eco-platform.org)

### Basic information

This declaration is the Type III Environmental Product Declaration (EPD) based on EN 15804 + A2 and verified according to ISO 14025 by an external auditor. It contains the information on the impacts of the declared construction materials on the environment and their aspects verified by the independent body according to ISO 14025. Basically, comparison or evaluation of EPD data is possible only if all the compared data were created according to EN 15804 + A2.

**Life cycle analysis (LCA):** A1-A3, C1-C4 and D modules in accordance with EN 15804 + A2 (Cradle-to-Gate with options)

**The year of preparing the EPD:** 2024

**Product standard:** EN 14342: 2013

**Service Life:** > 30 years

**PCR:** ITB-PCR A, v. 1.6

**Declared unit:** 1 m<sup>2</sup>

**Reasons for performing LCA:** B2B

**Representativeness:** Polish, European

## Type III Environmental Product Declaration No. 725/2024

### MANUFACTURER

Podłogi Sp. z o.o. is a business operating for over 13 years that specializes in the production and distribution of oak engineered flooring. Every year it produces tens of thousands of square meters of wooden floors that enrich the space of thousands of customers. Podłogi Sp. z o.o. exports over 90% of our products.



Fig. 1 Production line for UV oiling and varnishing (left) and a line for profiling floors (right) of Podłogi Sp. z o.o. production plant located in Łańcut (Poland).

### PRODUCTS DESCRIPTION AND APPLICATION

Wooden floor has a three-layer structure and consists of layers of wood connected with each other with water-based glue. The top layer in noble wood is a 3-4 mm thick lamella, which is usually made of European oak. The middle layer is made of a coniferous underlay in the form of slats, while the back-pressure bottom layer is made of 2 mm spruce veneer. The oak top layer is varnished or oiled with natural oil-waxes several times and hardened with UV rays. The boards can be joint with a glueless Click 5G connection or a traditional tongue-and-groove joint.



Figure 2. Scheme of a cross-section of a three-layer wooden floorboard.

## Type III Environmental Product Declaration No. 725/2024

The product range:

a) dimension:

- thickness: from 14 or 15 mm (14/3 mm, 15/4 mm)
- width: from 90 to 300 mm (90, 100, 120, 140, 160, 190, 250, 300 mm)
- length: from 450 to 3000 mm (450, 600, 700, 900, 1080, 1600, 1800, 2000, 2200, 2400, 3000 mm)

b) surface finish option: brushing

c) wood grades: PREMIUM, STANDARD, STYLE

Table 1. Declaration of 3-layer wooden parquet floorboard properties according to EN 14342: 2013 produced by Podłogi Sp. z o.o.

Property	Results	Declaration according to EN 14342:2013
Reaction to fire according to EN ISO 9239-1:2010 and EN ISO 11925-2:2020; Classification according to EN 13501-1:2018 - Critical heat flux - Smoke production - Extent of flame $\leq$ 150 mm	5,56 kW/m <sup>2</sup> 25,6 % x min fulfilled	Reaction to fire class C <sub>fi</sub> -s1*
Formaldehyde emission according to EN 717-1:2004	< LOD (264 h)	Class E1
Content of PCP according to CEN/TR 14823:2004	< LOQ	PCP $\leq$ 5 x 10 <sup>-6n</sup>
Anti-skid properties according to CEN/TS 15676:2007	58	USRV 58
Thermal conductivity according to EN 12664:2001	0,120 W/(m*K)	0,12 W/(m*K)

More information can be found on Podłogi Sp. z o.o. website: [www.podlogi.eu.com](http://www.podlogi.eu.com).

### LIFE CYCLE ASSESSMENT (LCA) – general rules applied

#### Declared Unit

The declaration refers to declared unit (DU) – 1 m<sup>2</sup> of 3-layer wooden floorboard with thickness of 14 mm and 15 mm.

#### Allocation

The allocation rules used for this EPD are based on general ITB-PCR A, v. 1.6. 3-layer wooden floorboard production is a line process in factory located in Łańcut (Poland). Allocation is done on product mass basis.

All impacts from raw materials extraction and processing are allocated in A1 module of EPD. 99% of impacts from line production were inventoried and allocated to all 3-layer wooden floorboard production. Municipal waste and waste water of whole factory were allocated to module A3. Energy supply was inventoried for whole production process. Emissions in Podłogi Sp. z o.o. are measured and were allocated to module A3. Packaging materials were taken into consideration. They are recycled in a closed loop.

#### System limits

The life cycle analysis (LCA) of the declared products covers product stage – modules A1-A3, end of life – modules C1-C4 and benefits and loads beyond the system boundary – module D (cradle-to-gate with options) in accordance with EN 15804 + A2 and ITB PCR A, v. 1.6. The details of systems limits are provided in product technical report. All materials and energy consumption inventoried in factory were included in calculation. Office impacts were also taken into consideration. In the assessment, all significant parameters from gathered production data are considered, i.e. all material used per formulation, utilised thermal energy, internal fuel and electric power consumption, direct production waste, and all available emission measurements. It can be assumed that the total sum of omitted processes does not exceed 5% of all impact categories. In accordance with EN 15804 + A2, machines and facilities (capital goods) required for the production as well as transportation of employees were not included in LCA.

#### **Modules A1 and A2: Raw materials supply and transport**

Raw materials such as softwood and hardwood logs, plywood, veneer, oils, glues or fillers come from local and foreign suppliers. Data on transport of the different products to the manufacturing plants is collected and modelled for factory by assessor. Means of transport include 16-32 t lorry and small trucks < 10 t (f. ex. couriers) EURO 6 are applied. European standards for average combustion were used for calculations.

#### **Module A3: Production**

The Fig. 3 shows the working process during the production of 3-layer wooden floorboards. Round wood is delivered to factory located in Łańcut, where is manufacturing in a few step process including sorting, cutting, peeling, drying and gluing. Then the floorboard is sorted by grade and type, packaged and then stored prior to the shipment of the final product.

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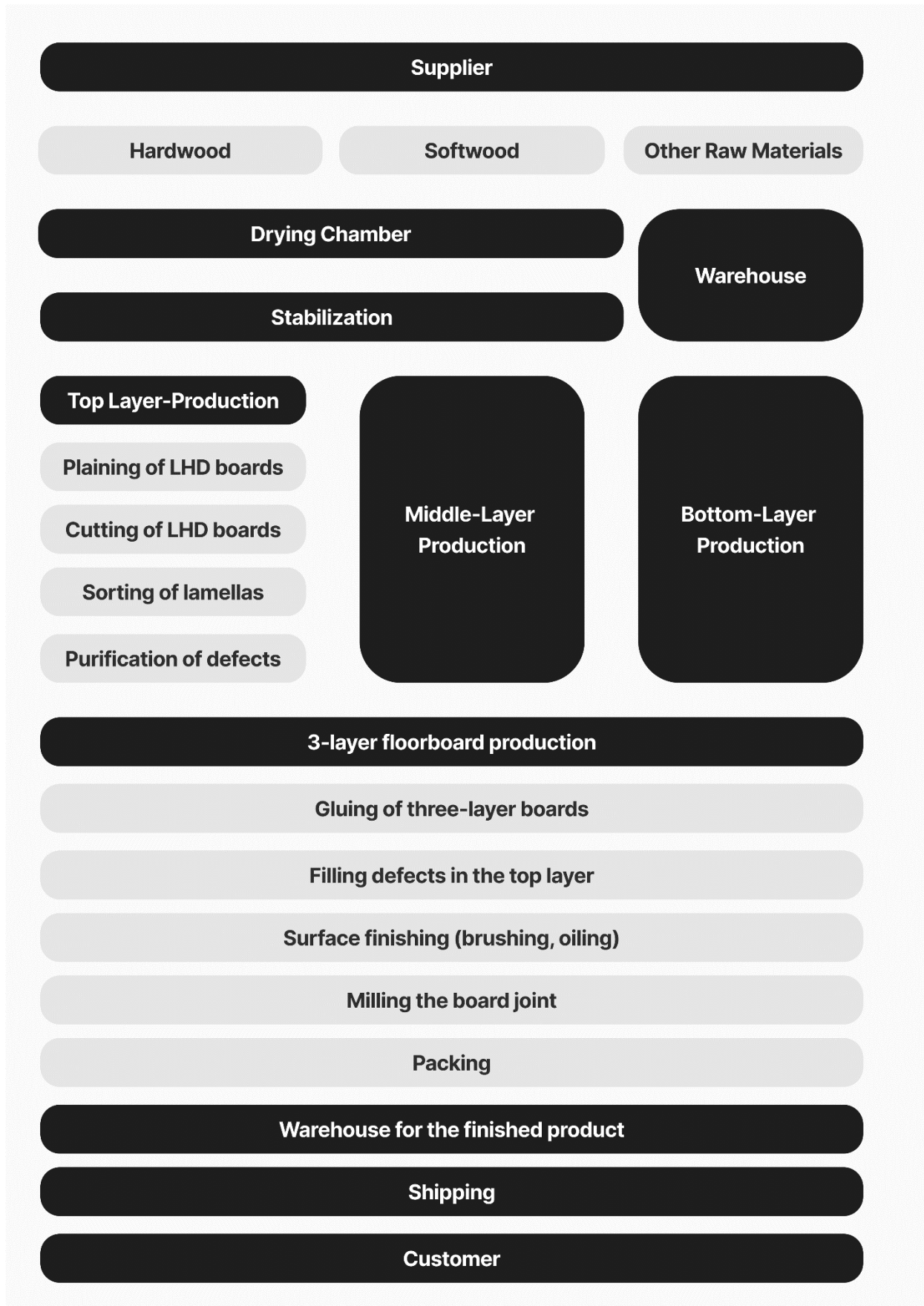


Fig. 3. A scheme of 3-layer wooden floorboards production by Podłogi Sp. z o.o. (Poland)

### **Modules C1-C4 and D: *End-of-life (EoL)***

In the adapted scenario, deconstruction of the 3-layer wooden floorboards are performed with the use of electrical tools (module C1). The resulting waste is transported to a waste processing plant distant about 60 km, on 16-32 t lorry EURO 6 (module C2). It is assumed that at the EoL cycle 90% of the floorboard is recovered in municipal incineration (module C3) while 10% undergo landfilling (module C4). Module D presents credits resulting from the benefits from avoided thermal energy production in exchange for using waste from plant (peeling chips) which were used for own production line and central heating.

### **Data quality**

The data selected for LCA originate from ITB-LCI questionnaires completed by Podłogi Sp. z o.o. using the inventory data, ITB database, Ecoinvent database v. 3.10 and KOBiZE. No specific data collected is older than five years and no generic datasets used are older than ten years. The representativeness, completeness, reliability, and consistency are judged as good. Polish electricity was calculated based on Ecoinvent v 3.10 supplemented by actual national KOBiZE data.

### **Data collection period**

Primary data provided by Podłogi Sp. z o.o. covers a period of 01.01.2023 – 31.12.2023 (1 year). The life cycle assessments were prepared for Poland and Europe as reference area.

### **Assumptions and estimates**

The impacts of the representative of 3-layer wooden floorboards were aggregated using weighted average. Impacts were inventoried and calculated for all products in 3-layer wooden floorboards product group and they were presented in Tables 3-10.

### **Calculation rules**

LCA was performed using ITB-LCA tool developed in accordance with EN 15804 + A2.

### **Databases**

The data for the processes comes from Ecoinvent v. 3.10 and ITB-Database. Specific data quality analysis was a part of external audit. Polish electricity mix used (production) is 0.685 kg CO<sub>2</sub>/kWh (KOBiZE 2023).

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### LIFE CYCLE ASSESSMENT (LCA) – Results

#### Declared unit

The declaration refers to declared unit (DU) – 1 m<sup>2</sup> of 3-layer wooden floorboards manufactured by Podłogi Sp. z o.o.

Table 2. System boundaries for the environmental characteristic of 3-layer wooden floorboards manufactured by Podłogi Sp. z o.o.

Environmental assessment information (MD – Module Declared, MND – Module Not Declared, INA – Indicator Not Assessed)																
Product stage			Construction process		Use stage							End of life				Benefits and loads beyond the system boundary
Raw material supply	Transport	Manufacturing	Transport to construction site	Construction-installation process	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	Deconstruction 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
MD	MD	MD	MND	MND	MND	MND	MND	MND	MND	MND	MND	MD	MD	MD	MD	MD

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Table 3. LCA results for 1 m<sup>2</sup> of 3-layer wooden floorboards with thickness of 14 mm - environmental impacts

Indicator	Unit	A1	A2	A3	A1-A3	C1	C2	C3	C4	D
Global Warming Potential	eq. kg CO <sub>2</sub>	-9.57E+00	6.99E-01	5.81E+00	-3.07E+00	2.28E-02	1.92E-01	1.10E+01	6.65E-02	6.48E+00
Greenhouse gas potential - fossil	eq. kg CO <sub>2</sub>	2.31E+00	6.97E-01	5.76E+00	8.77E+00	2.27E-02	1.92E-01	1.14E-01	9.10E-03	2.28E-01
Greenhouse gas potential - biogenic	eq. kg CO <sub>2</sub>	-1.26E+01	2.28E-03	3.97E-02	-1.26E+01	1.45E-04	1.06E-04	1.05E+01	5.74E-02	6.25E+00
Global warming potential - land use and land use change	eq. kg CO <sub>2</sub>	1.28E-01	2.73E-04	2.03E-03	1.30E-01	7.99E-06	6.06E-05	2.95E-05	5.05E-06	3.44E-04
Stratospheric ozone depletion potential	eq. kg CFC 11	6.94E-08	1.53E-07	1.11E-07	3.34E-07	4.38E-10	3.83E-09	1.91E-09	2.31E-10	3.28E-09
Soil and water acidification potential	eq. mol H <sup>+</sup>	1.36E-02	2.75E-03	6.15E-02	7.78E-02	2.42E-04	3.76E-04	1.16E-03	6.34E-05	9.29E-03
Eutrophication potential - freshwater	eq. kg P	7.50E-04	4.72E-05	1.05E-02	1.13E-02	4.15E-05	1.26E-05	4.89E-05	6.94E-06	1.19E-04
Eutrophication potential - seawater	eq. kg N	2.32E-03	8.24E-04	8.76E-03	1.19E-02	3.44E-05	8.87E-05	6.21E-04	2.94E-04	4.32E-03
Eutrophication potential - terrestrial	eq. mol N	2.65E-02	8.99E-03	7.50E-02	1.10E-01	2.95E-04	9.58E-04	5.96E-03	2.61E-04	4.84E-02
Potential for photochemical ozone synthesis	eq. kg NMVOC	1.35E-02	2.82E-03	2.16E-02	3.80E-02	8.28E-05	6.35E-04	1.51E-03	1.06E-04	1.20E-02
Potential for depletion of abiotic resources - non-fossil resources	eq. kg Sb	1.25E-05	2.50E-06	8.38E-06	2.34E-05	3.30E-08	6.28E-07	2.21E-07	2.01E-08	1.65E-06
Abiotic depletion potential - fossil fuels	MJ	5.62E+01	1.03E+01	9.47E+01	1.61E+02	3.73E-01	2.68E+00	9.56E-01	1.99E-01	3.49E+00
Water deprivation potential	eq. m <sup>3</sup>	2.07E+00	4.81E-02	1.93E+00	4.04E+00	7.57E-03	1.29E-02	4.81E-01	9.20E-04	1.92E-01

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Table 4. LCA results for 1 m<sup>2</sup> of 3-layer wooden floorboards with thickness of 14 mm - the resource use

Indicator	Unit	A1	A2	A3	A1-A3	C1	C2	C3	C4	D
Consumption of renewable primary energy - excluding renewable primary energy sources used as raw materials	MJ	8.87E+01	1.53E-01	6.87E+00	9.57E+01	2.70E-02	5.17E-02	-1.01E+02	-1.35E+01	6.71E-01
Consumption of renewable primary energy resources used as raw materials	MJ	7.33E+01	0.00E+00	0.00E+00	7.33E+01	0.00E+00	0.00E+00	1.01E+02	1.35E+01	0.00E+00
Total consumption of renewable primary energy resources	MJ	1.62E+02	1.53E-01	6.87E+00	1.69E+02	2.70E-02	5.17E-02	2.16E-02	2.94E-03	6.71E-01
Consumption of non-renewable primary energy - excluding renewable primary energy sources used as raw materials	MJ	4.49E+01	1.03E+01	1.00E+02	1.56E+02	3.95E-01	2.68E+00	9.56E-01	1.99E-01	3.49E+00
Consumption of non-renewable primary energy resources used as raw materials	MJ	1.83E+01	0.00E+00	1.89E-03	1.83E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total consumption of non-renewable primary energy resources	MJ	6.32E+01	1.03E+01	1.00E+02	1.74E+02	3.95E-01	2.68E+00	9.56E-01	1.99E-01	3.49E+00
Consumption of secondary materials	kg	9.39E-03	3.56E-03	7.68E-03	2.06E-02	3.01E-05	1.17E-03	2.31E-03	7.18E-05	3.09E-03
Consumption of renewable secondary fuels	MJ	4.52E-04	3.92E-05	4.23E-05	5.33E-04	1.65E-07	1.19E-05	5.39E-06	1.35E-06	3.08E+01
Consumption of non-renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Net consumption of freshwater resources	m <sup>3</sup>	5.13E-02	1.31E-03	2.50E-02	7.77E-02	1.21E-04	3.63E-04	-1.62E-03	-2.96E-03	2.41E-03

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Table 5. LCA results for 1 m<sup>2</sup> of 3-layer wooden floorboards with thickness of 14 mm – additional impacts indicators

Indicator	Unit	A1	A2	A3	A1-A3	A4	A5	C1	C2	C3	C4	D
Particulate matter	disease incidence	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA
Potential human exposure efficiency relative to U235	eg. kBq U235	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA
Potential comparative toxic unit for ecosystems	CTUe	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA
Potential comparative toxic unit for humans (cancer effects)	CTUh	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA
Potential comparative toxic unit for humans (non-cancer effects)	CTUh	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA
Potential soil quality index	dimensionless	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA

Table 6. LCA results for 1 m<sup>2</sup> of 3-layer wooden floorboards with thickness of 14 mm – waste categories

Indicator	Unit	A1	A2	A3	A1-A3	C1	C2	C3	C4	D
Hazardous waste neutralized	kg	1.20E-01	1.18E-02	1.85E-04	1.32E-01	7.71E-08	3.50E-03	1.29E-02	3.47E-04	1.32E-02
Non-hazardous waste neutralised	kg	2.39E+00	2.14E-01	5.67E+00	8.27E+00	2.20E-03	8.23E-02	6.98E-02	3.97E+00	7.53E-01
Radioactive waste	kg	1.99E-05	6.77E-05	8.15E-05	1.69E-04	3.20E-07	1.03E-06	2.78E-07	4.83E-08	1.72E-05
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	6.06E-04	3.50E-05	6.37E-04	1.28E-03	2.26E-06	2.06E-05	1.00E-05	3.35E-06	7.92E-04
Materials for energy recovery	kg	3.96E-06	2.59E-07	8.07E-07	5.02E-06	3.17E-09	5.99E-08	1.40E-07	1.37E-08	1.33E-07
Energy exported	MJ	3.14E-02	1.19E-02	2.75E-01	3.18E-01	1.08E-03	3.88E-03	3.19E-04	4.16E-05	1.29E-02

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Table 7. LCA results for 1 m<sup>2</sup> of 3-layer wooden floorboards with thickness of 15 mm - environmental impacts

Indicator	Unit	A1	A2	A3	A1-A3	C1	C2	C3	C4	D
Global Warming Potential	eq. kg CO <sub>2</sub>	-1.03E+01	6.99E-01	5.81E+00	-3.75E+00	2.28E-02	1.92E-01	1.10E+01	6.65E-02	6.48E+00
Greenhouse gas potential - fossil	eq. kg CO <sub>2</sub>	2.48E+00	6.97E-01	5.76E+00	8.94E+00	2.27E-02	1.92E-01	1.14E-01	9.10E-03	2.28E-01
Greenhouse gas potential - biogenic	eq. kg CO <sub>2</sub>	-1.35E+01	2.28E-03	3.97E-02	-1.35E+01	1.45E-04	1.06E-04	1.05E+01	5.74E-02	6.25E+00
Global warming potential - land use and land use change	eq. kg CO <sub>2</sub>	1.37E-01	2.73E-04	2.03E-03	1.39E-01	7.99E-06	6.06E-05	2.95E-05	5.05E-06	3.44E-04
Stratospheric ozone depletion potential	eq. kg CFC 11	7.44E-08	1.53E-07	1.11E-07	3.39E-07	4.38E-10	3.83E-09	1.91E-09	2.31E-10	3.28E-09
Soil and water acidification potential	eq. mol H <sup>+</sup>	1.46E-02	2.75E-03	6.15E-02	7.88E-02	2.42E-04	3.76E-04	1.16E-03	6.34E-05	9.29E-03
Eutrophication potential - freshwater	eq. kg P	8.04E-04	4.72E-05	1.05E-02	1.14E-02	4.15E-05	1.26E-05	4.89E-05	6.94E-06	1.19E-04
Eutrophication potential - seawater	eq. kg N	2.49E-03	8.24E-04	8.76E-03	1.21E-02	3.44E-05	8.87E-05	6.21E-04	2.94E-04	4.32E-03
Eutrophication potential - terrestrial	eq. mol N	2.84E-02	8.99E-03	7.50E-02	1.12E-01	2.95E-04	9.58E-04	5.96E-03	2.61E-04	4.84E-02
Potential for photochemical ozone synthesis	eq. kg NMVOC	1.45E-02	2.82E-03	2.16E-02	3.89E-02	8.28E-05	6.35E-04	1.51E-03	1.06E-04	1.20E-02
Potential for depletion of abiotic resources - non-fossil resources	eq. kg Sb	1.34E-05	2.50E-06	8.38E-06	2.43E-05	3.30E-08	6.28E-07	2.21E-07	2.01E-08	1.65E-06
Abiotic depletion potential - fossil fuels	MJ	6.02E+01	1.03E+01	9.47E+01	1.65E+02	3.73E-01	2.68E+00	9.56E-01	1.99E-01	3.49E+00
Water deprivation potential	eq. m <sup>3</sup>	2.22E+00	4.81E-02	1.93E+00	4.19E+00	7.57E-03	1.29E-02	4.81E-01	9.20E-04	1.92E-01

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Table 8. LCA results for 1 m<sup>2</sup> of 3-layer wooden floorboards with thickness of 15 mm - the resource use

Indicator	Unit	A1	A2	A3	A1-A3	C1	C2	C3	C4	D
Consumption of renewable primary energy - excluding renewable primary energy sources used as raw materials	MJ	9,50E+01	1.53E-01	6.87E+00	1,02E+02	2.70E-02	5.17E-02	-1.01E+02	-1.35E+01	6.71E-01
Consumption of renewable primary energy resources used as raw materials	MJ	7,86E+01	0.00E+00	0.00E+00	7,86E+01	0.00E+00	0.00E+00	1.01E+02	1.35E+01	0.00E+00
Total consumption of renewable primary energy resources	MJ	1,74E+02	1.53E-01	6.87E+00	1,81E+02	2.70E-02	5.17E-02	2.16E-02	2.94E-03	6.71E-01
Consumption of non-renewable primary energy - excluding renewable primary energy sources used as raw materials	MJ	4,81E+01	1.03E+01	1.00E+02	1,59E+02	3.95E-01	2.68E+00	9.56E-01	1.99E-01	3.49E+00
Consumption of non-renewable primary energy resources used as raw materials	MJ	1,96E+01	0.00E+00	1.89E-03	1,96E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total consumption of non-renewable primary energy resources	MJ	6,77E+01	1.03E+01	1.00E+02	1,78E+02	3.95E-01	2.68E+00	9.56E-01	1.99E-01	3.49E+00
Consumption of secondary materials	kg	1,01E-02	3.56E-03	7.68E-03	2,13E-02	3.01E-05	1.17E-03	2.31E-03	7.18E-05	3.09E-03
Consumption of renewable secondary fuels	MJ	4,84E-04	3.92E-05	4.23E-05	5,66E-04	1.65E-07	1.19E-05	5.39E-06	1.35E-06	3.08E+01
Consumption of non-renewable secondary fuels	MJ	0,00E+00	0.00E+00	0.00E+00	0,00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Net consumption of freshwater resources	m <sup>3</sup>	5,50E-02	1.31E-03	2.50E-02	8,13E-02	1.21E-04	3.63E-04	-1.62E-03	-2.96E-03	2.41E-03

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Table 9. LCA results for 1 m<sup>2</sup> of 3-layer wooden floorboards with thickness of 15 mm – additional impacts indicators

Indicator	Unit	A1	A2	A3	A1-A3	A4	A5	C1	C2	C3	C4	D
Particulate matter	disease incidence	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA
Potential human exposure efficiency relative to U235	eg. kBq U235	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA
Potential comparative toxic unit for ecosystems	CTUe	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA
Potential comparative toxic unit for humans (cancer effects)	CTUh	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA
Potential comparative toxic unit for humans (non-cancer effects)	CTUh	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA
Potential soil quality index	dimensionless	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA

Table 10. LCA results for 1 m<sup>2</sup> of 3-layer wooden floorboards with thickness of 15 mm – waste categories

Indicator	Unit	A1	A2	A3	A1-A3	C1	C2	C3	C4	D
Hazardous waste neutralized	kg	1.29E-01	1.18E-02	1.85E-04	1.41E-01	7.71E-08	3.50E-03	1.29E-02	3.47E-04	1.32E-02
Non-hazardous waste neutralised	kg	2.56E+00	2.14E-01	5.67E+00	8.44E+00	2.20E-03	8.23E-02	6.98E-02	3.97E+00	7.53E-01
Radioactive waste	kg	2.14E-05	6.77E-05	8.15E-05	1.70E-04	3.20E-07	1.03E-06	2.78E-07	4.83E-08	1.72E-05
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	6.49E-04	3.50E-05	6.37E-04	1.32E-03	2.26E-06	2.06E-05	1.00E-05	3.35E-06	7.92E-04
Materials for energy recovery	kg	4.24E-06	2.59E-07	8.07E-07	5.31E-06	3.17E-09	5.99E-08	1.40E-07	1.37E-08	1.33E-07
Energy exported	MJ	3.37E-02	1.19E-02	2.75E-01	3.20E-01	1.08E-03	3.88E-03	3.19E-04	4.16E-05	1.29E-02

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### Verification

The process of verification of this EPD is in accordance with ISO 14025 and ISO 21930.

After verification, this EPD is valid for a 5-year-period. EPD does not have to be recalculated after 5 years, if the underlying data have not changed significantly.

The basis for LCA analysis was EN 15804 + A2 and ITB PCR A
Independent verification corresponding to ISO 14025 (subclause 8.1.3) <input checked="" type="checkbox"/> external <input type="checkbox"/> internal
External verification of EPD: Halina Prejzner, PhD Eng LCA, LCI audit and input data verification: Mateusz Kozicki, PhD Verification of LCA: Michał Piasecki, PhD, D.Sc. Eng

Note 1: The declaration owner has the sole ownership, liability and responsibility for the information provided and contained in EPD. Declarations within the same product category but from different programs may not be comparable. Declarations of construction products may not be comparable if they do not comply with EN 15804 + A2. For further information about comparability, see EN 15804 + A2 and ISO 14025. Depending on the application, a corresponding conversion factor such as the specific weight per surface area must be taken into consideration.

Note 2: ITB is a public Research Organization and Notified Body (EC Reg. no 1488) to the European Commission and to other Member States of the European Union designated for the tasks concerning the assessment of building products' performance. ITB acts as the independent, third-party verification organization (17065/17025 certified). ITB-EPD program is recognized and registered member of The European Platform – Association of EPD program operators and ITB-EPD declarations are registered and stored in the international ECO-PORTAL.

### Normative references

- ITB PCR A v. 1.6 General Product Category Rules for Construction Products
- EN 14342:2013 Wood flooring and parquet - Characteristics, evaluation of conformity and marking
- ISO 14025:2006 Environmental labels and declarations – Type III environmental declarations – Principles and procedures
- ISO 21930:2017 Sustainability in buildings and civil engineering works – Core rules for environmental product declarations of construction products and services
- ISO 14044:2006 Environmental management – Life cycle assessment – Requirements and guidelines
- ISO 15686-1:2011 Buildings and constructed assets – Service life planning – Part 1: General principles and framework
- ISO 15686-8:2008 Buildings and constructed assets – Service life planning – Part 8: Reference service life and service-life estimation
- EN 15804 + A2: Sustainability of construction works – Environmental product declarations – Core rules for the product category of construction products
- ISO 14067:2018 Greenhouse gases — Carbon footprint of products — Requirements and guidelines for quantification
- PN-EN 15942:2012 Sustainability of construction works – Environmental product declarations – Communication format business-to-business
- KOBIZE Wskaźniki emisyjności CO<sub>2</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO i pyłu całkowitego dla energii elektrycznej, 2023

LCA, LCI audit and input data verification  
Mateusz Kozicki, PhD

Head of the Thermal Physic, Acoustics  
and Environment Department  
Agnieszka Winkler-Skalna, PhD

*qualified electronic signature*

*qualified electronic signature*



**Instytut Techniki Budowlanej**

00-611 Warsaw, Filtrowa 1

**Thermal Physics, Acoustics and Environment Department**

02-656 Warsaw, Ksawerów 21

# **CERTIFICATE № 725/2024 of TYPE III ENVIRONMENTAL DECLARATION**

Products:

**Three-layer wooden floorboards**

Manufacturer:

**Podłogi Sp. z o.o.**

ul. Kolejowa 7, 37-100 Łańcut, Poland

confirms the correctness of the data included in the development of  
Type III Environmental Declaration and accordance with the requirements of the standard

**EN 15804+A2**


**Sustainability of construction works.**

**Environmental product declarations.**

**Core rules for the product category of construction products.**


This certificate, issued on 20<sup>th</sup> December 2024 is valid for 5 years  
or until amendment of mentioned Environmental Declaration

Head of the Thermal Physic, Acoustics  
and Environment Department

  
Agnieszka Winkler-Skalna, PhD



Deputy Director  
for Research and Innovation

  
Krzysztof Kuczyński, PhD

Warsaw, December 2024



**„Podłogi” sp. z o.o.** UL. KOLEJOWA 7 37-100 ŁAŃCUT

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Łańcut, 08.05.2026

Sentinel Holding Institut GmbH  
Bötzingen Straße 38  
D-79111 Freiburg i. Br.

## Herstellereklärung

hiermit bestätigen wir, dass in unseren Produkten keine SVHC oder CMT-Stoffe der Kategorie 1A und 1B erhalten sind und alle aktuellen gesundheitlichen Vorgaben, wie z.B. REACH entsprechen.

Die Angaben beruhen auf Informationen des Herstellers und sind nach bestem Wissen korrekt.

Änderungen durch gesetzliche Anpassungen oder neue Prüfmethode n bleiben vorbehalten.

Diese Erklärung ist gültig, bis eine aktualisierte Version bereitgestellt wird oder sich relevante Gesetzgebungen ändern.

Mit freundlichen Grüßen



# CERTIFICATE

CERTIFICATION CODE: CU-COC-846631

Field of attention:

**FSC® Chain of Custody (COC)**

Issued to:

**Podlogi Sp. z o.o.  
Lancut, POLAND  
Project in: POLAND**

Standard:

**FSC-STD-40-004 V3-1 Chain of Custody Certification, FSC-STD-50-001 V2-1 Requirements for use of the FSC trademarks by Certificate Holders;**

**Valid until: 05 June 2026**

The validity of this certificate shall be verified on <http://info.fsc.org/>

Control Union Certifications declares to have inspected the unit(s), and/or products of the above mentioned certificate holder, and have found them in accordance with the standards mentioned above.

This certificate covers the unit(s), and/or product(s) as mentioned in the authenticated annex of this certificate. A full list of product groups covered by the certificate can be found on the FSC database of registered certificates (<http://info.fsc.org/>).

This certificate itself does not constitute evidence that a particular product supplied by the certificate holder is FSC-certified [or FSC Controlled Wood]. Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required FSC claim is clearly stated on invoices and shipping documents.

This certificate remains in force until further notice, provided that the participant continues to meet the conditions as laid down in the client contract with Control Union Certifications B.V. and verified in inspections by Control Union Certifications B.V.

Date of certification:

06 June 2021

Place and date of issue:

Zielona Góra, 30 July 2024

CERTIFICATE No: C 846631CU-  
COC-02.2024

Declared by:

*Lukasz Marczewski*

On behalf of the Managing Director

Mr. LM Marczewski

Certifier

Control Union Certifications B.V.

Meeuwenlaan 4-6

8011 BZ ZWOLLE

The Netherlands

<http://www.controlunion.com>

tel.: +31(0)38-4260100



The mark of  
responsible forestry



Annex to  
CERTIFICATION CODE: CU-COC-846631  
FSC® Chain of Custody (COC)

Podlogi Sp. z o.o.  
ul. Kolejowa 7  
37-100 Lancut  
POLAND

This certificate gives the right, in accordance with the agreements in the licensee-contract, on the basis of the accreditation of CU by the Forest Stewardship Council (FSC), to use the FSC logo for the unit(s), process(es) and/or product(s) mentioned below. Use of the FSC logo on (trade) products is only allowed for products mentioned under "products" in conformity with the category.

This certificate and its copies or reproductions shall be returned to CU immediately on request. More information about the client and/or products and/or units can be obtained at the website of CU ([www.controlunion.com/certifications](http://www.controlunion.com/certifications)) or by contacting CU.

This certificate, referred to in the client contract as scope certificate, covers the following product(s), which comply(ies) with the latest version of the CU Forestry Standards:

**Certified products**

Product no.	Name of product	Category	Processing unit(s)
P 063833	W11.5 Flooring	FSC 100%, FSC Mix	PRC 065867

This certificate covers the following Processing Unit(s), which comply(ies) with the latest version of the CU Forestry Standards:

**Processing unit(s)**

Unit no.	Name of unit	Unit ref.	Address	Processes
PRC 065867	Podlogi Sp. z o.o.		ul. Kolejowa 7 Lancut, podkarpackie POLAND	Secondary processor

This certificate including the annex remains property of Control Union Certifications B.V. and can be withdrawn in case of terminations as mentioned in the licensee contract, or in case changes or deviations of the above mentioned data occur. The licensee is obliged to inform Control Union Certifications B.V. immediately of any changes in the above mentioned data. Only an original and signed certificate with accompanying attachments is valid.

Date of certification:  
06 June 2021

Place and date of issue:  
Zielona Góra, 30 July 2024

Authenticated by

*Lukasz Marczewski*  
On behalf of the Managing Director  
Mr. LM Marczewski  
Certifier

**This certificate cannot be used as guarantee certificate for delivered goods!**

