



SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

15475-10-1003

MOSO® Bambusparkett

Product group: Decking boards



MOSO International B.V.
Adam Smithweg 2
1689 ZW Zwaag



Product qualities:



Köttner

Helmut Köttner
Scientific Director

Freiburg, 02 February 2026



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The SHI Database is the first and only database for construction products whose comprehensive processes and data accuracy are regularly verified by the independent auditing company SGS-TÜV Saar





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SHI Product Assessment 2024

Since 2008, Sentinel Holding Institut GmbH (SHI) has been establishing a unique standard for products that support healthy indoor air. Experts carry out independent product assessments based on clear and transparent criteria. In addition, the independent testing company SGS regularly audits the processes and data accuracy.

| Criteria | Product category | Harmful substance limit | Assessment |
|---------------------------|----------------------------|--|------------------------------|
| SHI Product Assessment | Wood-based floor coverings | TVOC $\leq 300 \mu\text{g}/\text{m}^3$ Formaldehyd $\leq 36 \mu\text{g}/\text{m}^3$ | Indoor Air Quality Certified |
| Valid until: 18 July 2027 | | | |



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QNG - Qualitätssiegel Nachhaltiges Gebäude

The Qualitätssiegel Nachhaltiges Gebäude (Quality Seal for Sustainable Buildings), developed by the German Federal Ministry for Housing, Urban Development and Building (BMWSB), defines requirements for the ecological, socio-cultural, and economic quality of buildings. The Sentinel Holding Institut evaluates construction products in accordance with QNG requirements for certification and awards the QNG ready label. Compliance with the QNG standard is a prerequisite for eligibility for the KfW funding programme. For certain product groups, the QNG currently has no specific requirements defined. Although classified as not assessment-relevant, these products remain suitable for QNG-certified projects.

| Criteria | Pos. / product group | Considered substances | QNG assessment |
|--|---|---|----------------|
| 3.1.3 Schadstoffvermeidung in Baumaterialien | 2.3 Multi-layer wood parquet, bamboo coverings, and floor coverings on wood-based panels | VOC / Emissions / hazardous substances | QNG ready |

Verification: Prüfberichte des Bremer Instituts vom 28.11.2011 (Nr. H 5346) und 29.12.2011 (Nr. H 5371). Konformitätserklärung vom 22.07.2025 bestätigt die weitere materielle Übereinstimmung mit den damals emissionsgeprüften Produkten.

| Criteria | Assessment |
|--|---|
| ANF2-WG1 Nachhaltige Materialgewinnung | May positively contribute to the overall building score |

Verification: FSC zertifiziert



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DGNB New Construction 2023

The DGNB System (German Sustainable Building Council) assesses the sustainability of various types of buildings. It can be applied to both large-scale private and commercial projects as well as smaller residential buildings. The 2023 version sets high standards for ecological, economic, socio-cultural, and functional aspects throughout the entire life cycle of a building.

| Criteria | Assessment |
|---|---|
| ECO1.1 Life cycle cost (*) | May positively contribute to the overall building score |
| Verification: "Use Class 1 so will last long. Brinellhärte: ≥ 4 kg/mm ² (BL/HL), $\geq 9,5$ kg/mm ² (DT) (EN 1534)" | |

| Criteria | Assessment |
|---|---|
| ECO2.6 Climate resilience (*) | May positively contribute to the overall building score |
| Verification: "Most likely it helps somewhat, but not specifically testes for this. Wärmeleitfähigkeit: 0,17 W/mK (BL/HL), 0,19 W/mK (DT) (EN 12667) Wärmedurchlasswiderstand: 0,0882 m ² K/W (BL/HL), 0,0784 m ² K/W (DT) (EN 12667)" | |

| Criteria | Assessment |
|--|---|
| ENV1.1 Climate action and energy (*) | May positively contribute to the overall building score |
| Verification: Yes, less CO ₂ than conventional materials such as PVC, WPC, carpet, tiles "Increased durability yes: Guarrantee of 30 years. Brinellhärte: ≥ 4 kg/mm ² (BL/HL), $\geq 9,5$ kg/mm ² (DT) (EN 1534)" | |

| Criteria | Quality level |
|--|---|
| ENV1.3 Responsible resource extraction | May positively contribute to the overall building score |
| Verification: FSC | |

| Criteria | Assessment |
|---|---|
| SOC1.3 Sound insulation and acoustic comfort (*) | May positively contribute to the overall building score |
| Verification: Can have acoustic properties | |



| Criteria | Assessment |
|---|---|
| SOC1.4 Visual comfort (*) | May positively contribute to the overall building score |
| Verification: Aids to the biophilic design of a building | |

| Criteria | No. / Relevant building components / construction materials / surfaces | Considered substances / aspects | Quality level |
|--|--|--|-----------------|
| ENV 1.2 Local environmental impact, 03.05.2024 (3rd edition) | 47c Wood-based materials in floor coverings | VVOCs, VOC, SVOC emissions and content of hazardous substances | Quality level 4 |
| Verification: Prüfberichte des Bremer Instituts vom 28.11.2011 (Nr. H 5346) und 29.12.2011 (Nr. H 5371). Konformitätserklärung vom 22.07.2025 bestätigt die weitere materielle Übereinstimmung mit den damals emissionsgeprüften Produkten. | | | |

| Criteria | No. / Relevant building components / construction materials / surfaces | Considered substances / aspects | Quality level |
|--|--|--|-----------------|
| ENV 1.2 Local environmental impact, 29.05.2025 (4th edition) | 47c Floor coverings for indoor use (with wooden components) | VVOCs, VOC, SVOC emissions and content of hazardous substances | Quality level 4 |
| Verification: Prüfberichte des Bremer Instituts vom 28.11.2011 (Nr. H 5346) und 29.12.2011 (Nr. H 5371). Konformitätserklärung vom 22.07.2025 bestätigt die weitere materielle Übereinstimmung mit den damals emissionsgeprüften Produkten. | | | |



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DGNB New Construction 2018

The DGNB System (German Sustainable Building Council) assesses the sustainability of various types of buildings. It can be applied to both large-scale private and commercial projects as well as smaller residential buildings.

| Criteria | No. / Relevant building components / construction materials / surfaces | Considered substances / aspects | Quality level |
|--|--|---------------------------------|-----------------|
| ENV 1.2 Local environmental impact | 47a Industrially manufactured products | Formaldehyde | Quality level 4 |
| Verification: Prüfberichte des Bremer Instituts vom 28.11.2011 (Nr. H 5346) und 29.12.2011 (Nr. H 5371). Konformitätserklärung vom 22.07.2025 bestätigt die weitere materielle Übereinstimmung mit den damals emissionsgeprüften Produkten. | | | |



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BNB-BN Neubau V2015

The Bewertungssystem Nachhaltiges Bauen (Assessment System for Sustainable Building) is a tool for evaluating public office and administrative buildings, educational facilities, laboratory buildings, and outdoor areas in Germany. The BNB was developed by the former Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB) and is now overseen by the Federal Ministry for Housing, Urban Development and Building (BMWSB).

| Criteria | Pos. / product type | Considered substance group | Quality level |
|-------------------------------------|--|----------------------------|-----------------|
| 1.1.6 Risiken für die lokale Umwelt | 2b Wood-based floor coverings – also systems | VOC / hazardous substances | Quality level 3 |

Verification: Prüfberichte des Bremer Instituts vom 28.11.2011 (Nr. H 5346) und 29.12.2011 (Nr. H 5371). Konformitätserklärung vom 22.07.2025 bestätigt die weitere materielle Übereinstimmung mit den damals emissionsgeprüften Produkten.

| Criteria | Assessment |
|-------------------------------------|---|
| 1.1.7 Nachhaltige Materialgewinnung | May positively contribute to the overall building score |

Verification: FSC zertifiziert



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EU taxonomy

The EU Taxonomy classifies economic activities and products according to their environmental impact. At the product level, the EU regulation defines clear requirements for harmful substances, formaldehyde and volatile organic compounds (VOCs). The Sentinel Holding Institut GmbH labels qualified products that meet this standard.

| Criteria | Product type | Considered substances | Assessment |
|---|--------------|---------------------------------|-----------------------|
| DNSH - Pollution prevention and control | | Substances according to Annex C | EU taxonomy compliant |
| Verification: Herstellererklärung vom 22.08.2025 | | | |



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BREEAM DE Neubau 2018

BREEAM (Building Research Establishment Environmental Assessment Methodology) is a UK-based building assessment system that evaluates the sustainability of new constructions, refurbishments, and conversions. Developed by the Building Research Establishment (BRE), the system aims to assess and improve the environmental, economic, and social performance of buildings.

| Criteria | Product category | Considered substances | Quality level |
|---------------------------|---------------------|-----------------------|-------------------|
| Hea 02 Indoor Air Quality | Wood-based products | | Exemplary quality |

Verification: Prüfberichte des Bremer Instituts vom 28.11.2011 (Nr. H 5346) und 29.12.2011 (Nr. H 5371). Konformitätserklärung vom 22.07.2025 bestätigt die weitere materielle Übereinstimmung mit den damals emissionsgeprüften Produkten.



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Product labels

In the construction industry, high-quality materials are crucial for a building's indoor air quality and sustainability. Product labels and certificates offer guidance to meet these requirements. However, the evaluation criteria of these labels vary, and it is important to carefully assess them to ensure products align with the specific needs of a construction project.



The Forest Stewardship Council (FSC) label is awarded to products made wholly or partly from wood sourced from responsibly managed and controlled forestry. Health-related aspects of the final product are not part of the FSC assessment.



This product is SHI Indoor Air Quality certified and recommended by Sentinel Holding Institut. Indoor-air-focused construction, renovation, and operation of buildings is made possible by transparent and verifiable criteria thanks to the Sentinel Holding concept.



Products bearing the Sentinel Holding Institute QNG-ready seal are suitable for projects aiming to achieve the "Qualitätssiegel Nachhaltiges Gebäude" (Quality Seal for Sustainable Buildings). QNG-ready products meet the requirements of QNG Appendix Document 3.1.3, "Avoidance of Harmful Substances in Building Materials." The KfW loan program Climate-Friendly New Construction with QNG may allow for additional funding.



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Legal notices

(*) These criteria apply to the construction project as a whole. While individual products can positively contribute to the overall building score through proper planning, the evaluation is always conducted at the building level. The information was provided entirely by the manufacturer.

Find our criteria here: <https://www.sentinel-holding.eu/de/Themenwelten/Pr%C3%BCfverfahren/C3%BCfriterien%20f%C3%BCr%20Produkte>

The SHI Database is the first and only database for construction products whose comprehensive processes and data accuracy are regularly verified by the independent auditing company SGS-TÜV Saar

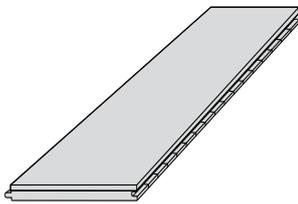


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MOSO® Bamboo Supreme (2-Schicht Parkett)

MOSO® Bamboo Supreme besteht aus zwei Bambusschichten, eine 4 mm starke Deckschicht und einen quer verpressten Gegenzug. Die Gesamtaufbauhöhe von 10 mm ist im Vergleich zu anderen Vollholzdielen eher gering. Dies stellt jedoch keinen Nachteil dar, denn wie bei anderen Holzarten gilt auch für Bambus die Grundregel: Je dicker, desto anfälliger ist das Holz für Verformung. Die Aufbauhöhe von 10 mm sowie die Deckschicht von 4 mm bilden die perfekte Kombination für optimale Beständigkeit und Stabilität. Daher eignet sich Bamboo Supreme für den Einsatz in Räumen, die nur eine geringe Aufbauhöhe zulassen, aber besonders hohe Ansprüche an einen robusten Bodenbelag haben, beispielsweise in Bereichen mit starker Nutzungsfrequenz oder für die Verlegung auf Fußbodenheizung.



Breitlamelle
Naturhell/Gedämpft



Hochkantlamelle
Naturhell/Gedämpft



Density®
Naturhell/Gedämpft



FPO: FSC® zertifiziert + EO (formaldehyd freie Kleber), L: Lack Bona 125 gr/m², LN: Lack Bona Naturale (extra matt) 225 gr/m², O: Natur-vorgeölt Woca (Ersteinpflege nach der Installation erforderlich), *) Minifase (ca. 0,1 mm), kaum sichtbar.

| Naturhell | Gedämpft | Optik | Oberfläche | Kanten | Abmessungen (mm) | Kartoninhalt (Stück) | Kartoninhalt (m ²) |
|-----------|----------|-----------------|------------|--------------|------------------|----------------------|--------------------------------|
| | BF-LA451 | Breitlamelle | - | Scharfkantig | 970x95x10 | 36 | 3,317 |
| | BF-LA471 | Hochkantlamelle | - | Scharfkantig | 970x95x10 | 36 | 3,317 |
| BF-LA403 | BF-LA453 | Breitlamelle | O | Scharfkantig | 970x95x10 | 36 | 3,317 |
| BF-LA423 | BF-LA473 | Hochkantlamelle | O | Scharfkantig | 970x95x10 | 36 | 3,317 |
| BF-DT403 | BF-DT453 | Density® | O | Minifase* | 920x96x10 | 24 | 2,120 |
| BF-LA409 | BF-LA459 | Breitlamelle | L | Scharfkantig | 970x95x10 | 36 | 3,317 |
| BF-LA429 | BF-LA479 | Hochkantlamelle | L | Scharfkantig | 970x95x10 | 36 | 3,317 |
| BF-DT409 | BF-DT459 | Density® | LN | Minifase* | 920x96x10 | 24 | 2,120 |

Kurzfassung Verlegung

- Prüfen Sie das Raumklima: Raumtemperatur 18-21°C, Luftfeuchtigkeit 40-65%.
- Prüfen Sie den Untergrund: Dieser sollte eben/sauber/fest sein und der maximal zulässige Feuchteanteil sollte nicht überschritten sein (z.B. 1,8% bei Zementestrich).
- Der Boden sollte vollflächig verklebt werden.
- Elastische 1-K-Polyurethanklebstoffe und Silansysteme können nur verwendet werden wenn:
 - Scherfestigkeit $T_s > 1.4 \text{ N/mm}^2$ (bei 3 Tagen Klimatisierung/23 Grad Celsius/50% RLF)
 - Gleitung (Scherdehnung) $\gamma \geq 0.5$ (bei 3 Tagen Klimatisierung/23 Grad Celsius/50% RLF)
 Fragen Sie Ihren Kleberlieferanten.
- Diese Parkettart ist für die Verlegung auf Fußbodenheizung / -kühlung unter den normgerechten Rahmenbedingungen für Holzparkett geeignet.
 - www.moso-bamboo.com/fussbodenheizung-kuehlung
- Nach der Verlegung: Sorgen Sie für sachgerechte Reinigung und Pflege entsprechend der Oberfläche. Bei Density® versiegelt nur Reiniger verwenden. Geölte Oberfläche: polieren mit rotem Pad / Patina Disc (eventuell anschließend mit weißem Pad).
- Vollversion auf ► www.moso-bamboo.com/bamboo-elite

Technische Daten und Zertifikate

- Dichte (Deckschicht): +/- 700 kg/m³ (BL/HL), +/- 1050 kg/m³ (DT)
- Deckschicht Dicke / Nuttschicht: ca. 4 mm
- Differenzielles Quellmaß Bambus: 0,14% pro 1% Holzfeuchteveränderung (BL/HL)
- Feuchtigkeitsgehalt: 10% bei 20°C und 65% relativer Luftfeuchte (BL/HL) 8% bei 20°C und 50% relative rLuftfeuchte (BL/HL)
- Brinellhärte: $\geq 4 \text{ kg/mm}^2$ (BL/HL), $\geq 9,5 \text{ kg/mm}^2$ (DT) (EN 1534)
- Beständigkeit gegen Verschleiss²⁾: ≥ 5000 Umdrehungen (WR2) (BL/HL), ≥ 7000 Revolutions (WR3) (DT) (EN 13696)
- Brandverhalten: Klasse Cfl-s1 (EN 13501-1)
- Emissions-Klasse: Klasse E1 (< 0,124 mg/m³, EN 717-1), Klasse EO (< 0,025 mg/m³)¹⁾ (DT)
- Gleitwiderstand²⁾: USRV 26 (DT) (CEN/TS 15676) / R 10 (DT) (DIN 51130)
- Wärmeleitfähigkeit: 0,17 W/mK (BL/HL), 0,21 W/mK (DT) (EN 12667)
- Wärmedurchlasswiderstand: 0,0588 m²K/W (BL/HL), 0,0471 m²K/W (DT) (EN 12667)
- Gebrauchsklasse: Klasse 1 (EN 335)
- CO₂-neutral: LCA Bericht TU Delft (ISO 14040/44) (www.moso-bamboo.com/lca)
- Environmental Product Declaration - EPD (EN 15804) verfügbar auf www.moso-bamboo.com/epd
- FSC®: FSC®-zertifizierte Produkte erhältlich auf Anfrage.
- Beitrag LEED BD+C - v4: MR 1, MR 2, MR 3 (FSC®), EQ 2 v2009: MR 6, MR 7 (FSC®), IEQ 4.3
- Beitrag BREEAM: HEA 2, MAT 1, MAT 3 (FSC®), MAT 5 (DT)
- Garantie: 30 Jahre

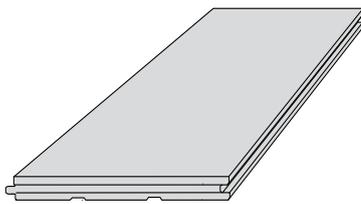
¹⁾ Die EO-Klasse ist eine inoffizielle Formaldehyd-Emissionsklasse, wird aber häufig verwendet, um anzuzeigen, dass das Produkt eine sehr geringe Emission, eine nicht nachweisbare Emission aufweist oder mit formaldehydfreien Klebstoffen hergestellt wird. EO-Produkte qualifizieren sich automatisch für die offizielle E1-Klasse nach EN 717-1.

²⁾ Nur für lackierte Versionen.



MOSO® Bamboo Elite (Massive Landhausdiele)

MOSO® Bamboo Elite ist ein 3-Schicht Massivparkett, das im Vergleich zu anderen MOSO®-Bodenbelägen relativ lang und breit ist. Die Mittelschicht von Bamboo Elite ist quer verpresst, um die Stabilität zu maximieren.



L: Lack Bona 85 gr/m², LN: Lack Bona Naturale (extra matt) 125 gr/m², O: Natur-vorgeölt Woca (Ersteinpflege nach der Installation erforderlich).
*) Mittelschicht quer verleimt.

| Naturhell | Gedämpft | Optik | Oberfläche | Kanten | Abmessungen (mm) | Kartoninhalt (Stück) | Kartoninhalt (m ²) |
|-----------|----------|------------------|------------|--------------|------------------|----------------------|--------------------------------|
| | BF-LA350 | Breitlamelle* | - | Scharfkantig | 1960x159x15 | 8 | 2,493 |
| | BF-LA370 | Hochkantlamelle* | - | Scharfkantig | 1960x159x15 | 8 | 2,493 |
| BF-LA301 | BF-LA351 | Breitlamelle* | L | Microfase | 1960x159x15 | 8 | 2,493 |
| | BF-LA353 | Breitlamelle* | O | Microfase | 1960x159x15 | 8 | 2,493 |
| BF-LA321 | BF-LA371 | Hochkantlamelle* | L | Microfase | 1960x159x15 | 8 | 2,493 |
| | BF-LA373 | Hochkantlamelle* | O | Microfase | 1960x159x15 | 8 | 2,493 |
| BF-DT301 | BF-DT351 | Density** | LN | Microfase | 1830x142x13 | 6 | 1,559 |
| BF-DT303 | BF-DT353 | Density** | O | Microfase | 1830x142x13 | 6 | 1,559 |

Kurzfassung Verlegung

- Prüfen Sie das Raumklima: Raumtemperatur 18-21°C, Luftfeuchtigkeit 40-65%.
- Prüfen Sie den Untergrund: Dieser sollte eben/sauber/fest sein und der maximal zulässige Feuchteanteil sollte nicht überschritten sein (z.B. 1,8% bei Zementestrich).
- Der Boden sollte vollflächig verklebt werden (bzgl. Klebedetails siehe Vollversion der Verlegeanweisung). Er kann auch schwimmend verlegt werden (maximale Breite 6 m, maximale Länge 12 m, Dehnungsfugen bei größere Räumen erforderlich).
- Verwenden Sie einen PVAC-Holzkleber, um die Nut und Feder miteinander zu verbinden.
- Elastische 1-K-Polyurethanklebstoffe und Silansysteme können nur verwendet werden wenn:
 - Scherfestigkeit $T_s > 1.4 \text{ N/mm}^2$ (bei 3 Tagen Klimatisierung/23 Grad Celsius/50% RLF)
 - Gleitung (Scherdehnung) $y \geq 0.5$ (bei 3 Tagen Klimatisierung/23 Grad Celsius/50% RLF)
 Fragen Sie Ihren Kleberlieferanten.
- Diese Parkettart ist für die Verlegung auf Fußbodenheizung / -kühlung unter den normgerechten Rahmenbedingungen für Holzparkett geeignet.
 - www.moso-bamboo.com/fussbodenheizung-kuhlung
- Nach der Verlegung: Sorgen Sie für sachgerechte Reinigung und Pflege entsprechend der Oberfläche. Bei Density* versiegelt nur Reiniger verwenden. Geölte Oberfläche: polieren mit rotem Pad / Patina Disc (eventuell anschließend mit weißem Pad).
- Vollversion auf ► www.moso-bamboo.com/bamboo-elite

Technische Daten und Zertifikate

- Dichte (Deckschicht): +/- 700 kg/m³ (BL/HL), +/- 1050 kg/m³ (DT)
- Deckschicht Dicke / Nuttschicht: ca. 5 mm (BL/HL), ca. 3 mm (DT)
- Differenzielles Quellmaß Bambus: 0,14% pro 1% Holzfeuchteveränderung (BL/HL)
- Feuchtigkeitsgehalt: 10% bei 20°C und 65% relativer Luftfeuchte (BL/HL) 8% bei 20°C und 50% relativer Luftfeuchte (BL/HL)
- Brinellhärte: $\geq 4 \text{ kg/mm}^2$ (BL/HL), $\geq 9,5 \text{ kg/mm}^2$ (DT) (EN 1534)
- Brandverhalten: Klasse Cfl-s1 (EN 13501-1)
- Emissions-Klasse: Klasse E0 ($< 0,025 \text{ mg/m}^3$)¹⁾ Klasse E1 ($< 0,124 \text{ mg/m}^3$, EN 717-1)
- Gleitwiderstand²⁾: USRV 22 (SP/PP), USRV 26 (HD) (CEN/TS 15676) / R10 (DIN 51130)
- Wärmeleitfähigkeit: 0,17 W/mK (BL/HL), 0,19 W/mK (DT) (EN 12667)
- Wärmedurchlasswiderstand: 0,0882 m²K/W (BL/HL), 0,0784 m²K/W (DT) (EN 12667)
- Gebrauchsklasse: Klasse 1 (EN 335)
- CO₂-neutral: LCA Bericht TU Delft (ISO 14040/44) (www.moso-bamboo.com/lca)
- Environmental Product Declaration - EPD (EN 15804) verfügbar auf www.moso-bamboo.com/epd
- FSC®: FSC®-zertifizierte Produkte erhältlich auf Anfrage
- Beitrag LEED BD+C - v4: MR 1, MR 2, MR 3 (FSC®), EQ 2 v2009: MR 6, MR 7 (FSC®), IEQ 4.3
- Beitrag BREEAM: HEA 2, MAT 1, MAT 3 (FSC®), MAT 5 (DT)
- Garantie: 30 Jahre

¹⁾ Die E0-Klasse ist eine inoffizielle Formaldehyd-Emissionsklasse, wird aber häufig verwendet, um anzuzeigen, dass das Produkt eine sehr geringe Emission, eine nicht nachweisbare Emission aufweist oder mit formaldehydfreien Klebstoffen hergestellt wird. E0-Produkte qualifizieren sich automatisch für die offizielle E1-Klasse nach EN 717-1.

²⁾ Nur für lackierte Versionen.



The mark of responsible forestry
FSC® C002063

SAFETY DATA SHEET

MOSO BAMBOO ELITE (HD)

1) CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

| | | |
|---------------|---|---|
| Product name: | MOSO® Bamboo Elite (Solid Wide board), High Density version | |
| Supplier: | Moso International BV Adam Smithweg 2 NL-1689 ZW Zwaag The Netherlands | T +31(0)229 265732 F +31(0)229 267759 info@moso.eu www.moso.eu |
| Description: | The Moso bamboo products are composed of bamboo strips and possible other materials, bonded with adhesives, finished with coating or oil, from third party manufacturers. | |

2) HAZARDS IDENTIFICATION

| | |
|------------------------------------|---|
| Important hazards: | Sawing, sanding or machining bamboo products can produce dust which can cause an explosion hazard. Dust or splinters may cause upper respiratory tract, eye and skin irritation. |
| Inhalation: | Dust may cause respiratory irritation, nasal dryness, coughing, sneezing, wheezing, headache and sinusitis. Repeated or prolonged exposure at elevated dust levels may result in allergic responses or respiratory sensitization in some individuals. |
| Skin contact: | Certain species of bamboo/wood may cause allergic contact dermatitis in sensitized individuals. If an allergy preexists or develops, it may be necessary to remove the sensitized worker from further exposure to dust. |
| Eye contact: | Dust or splinters may cause irritation or injury to the eyes. |
| Ingestion: | Not applicable under normal use. If ingested, may cause gastrointestinal tract irritation. |
| Chemical product specific hazards: | During manufacturing, there may be a slight release of formaldehyde from uncovered products; however, the tested concentration is at or below the emission class E1. The release of formaldehyde decreases over time according to well established decay dynamics. The concentration will reach its peak value in a confined area. Ventilation in areas where product is stored is recommended. |

Outline of an anticipated emergency:

HMIS rating: Health = 0, Fire = 1, Physical Hazard = 0, Personal Protection = 0

Hazard Scale: 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe, * = Chronic hazard

3) COMPOSITION/INFORMATION ON INGREDIENTS

| Name | CAS # | Content (% Weight) |
|---|------------|--------------------|
| Bamboo (<i>Phyllostachys pubescens</i>) | n.a. | 94 - 95 % |
| Phenol Formaldehyde Resin (PF) | 9003-35-4 | < 1,5 % |
| Melamine Urea Formaldehyde Resin (MUF) | 25036-13-9 | < 3 % |
| UV coating | n.a. | < 1,5 % |

UV Coating formulations are proprietary. MSDS information is available from the coating manufacturers upon request.

Wood and wood products are manufactured articles and are not considered hazardous under OSHA Hazard Communication Standard 29 CFR 1910.1200. Wood/Bamboo dust, a by-product generated from sawing, sanding or machining bamboo and bamboo products, may be hazardous.

4) FIRST-AID MEASURES

- Inhalation:** If inhaled, immediately remove the affected person to fresh air. If persistent irritation, severe coughing or breathing difficulty occurs, get medical attention.
- Skin contact:** For skin contact, wash immediately with soap and water. If irritation persists, get medical attention.
- Eye contact:** Do not rub your eyes. Particles may cause the eye to be scratched. Remove contact lenses if worn. Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, contact a physician.
- Ingestion:** Not applicable under normal use. If ingested, may cause gastrointestinal tract irritation.

5) FIRE-FIGHTING MEASURES

Sawing, sanding or machining bamboo/wood or bamboo/wood products can produce dust which is a strong to severe explosion hazard if a dust "cloud" contacts an ignition source. An airborne concentration of 40 grams of dust per cubic meter of air is often used as the lower explosion limit (LEL) for bamboo/wood dust.

Extinguishing media: Water spray, carbon dioxide or dry chemical

Specific hazards: Burning of bamboo/wood can produce irritating fumes and gases including carbon monoxide, aldehydes and organic acids.

Specific extinguishing methods: Firefighters should wear protective clothing including self-contained breathing apparatus (SCBA) to avoid breathing any wood combustion products. Partially burned dust is especially hazardous if dispersed into the air. Wet down dust to reduce likelihood of ignition or dispersion. Remove burned or wet dust to open, secure area after fire is extinguished.

6) ACCIDENTAL RELEASE MEASURES

Not applicable for product in its purchased form. Sweep or vacuum dust generated from sawing, sanding or manufacturing for recovery or disposal. Wet down accumulated wood dust to reduce the likelihood of ignition or dispersion of dust into the air. Use with adequate ventilation. Do not inhale dusts during clean up. Use approved dust mask or filtering face piece where ventilation is not possible and exposure limits could be exceeded.

7) HANDLING AND STORAGE

Handling: Use this product with adequate ventilation. Avoid frequent or prolonged inhalation of wood dust. Goggles or safety glasses are recommended to protect eyes from flying particles. Avoid contact with skin and wash exposed areas thoroughly. Change protective clothing and gloves when signs of contamination appear. Bamboo and bamboo products are combustible and, therefore, should not be subjected to temperatures exceeding the auto ignition temperature. Wet down bamboo dust generated by sawing, sanding, or machining to reduce the likelihood of ignition or dispersion of dust into the air.

Storage: Store flat, supported and protected from direct contact with the ground, in a well-ventilated, cool, dry place, avoid high moisture and humidity, away from open flames or temperatures high enough to ignite or cause smoldering combustion.

8) EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering controls: Due to the explosive potential of dust when suspended in air, precautions should be taken when sawing, sanding, or machining bamboo and bamboo products to prevent sparks or other ignition sources in ventilation equipment. Local exhaust ventilation is recommended when sawing, sanding, machining this product. General dilution ventilation is recommended in processing and storage areas.

Personal protective equipment:

General: Follow good hygienic and housekeeping practices. Clean up areas where dust settles to avoid excessive accumulation of the combustible material. Minimize generation of airborne dust concentrations.

Respiratory protection: An approved dust mask or filtering face piece is recommended in dusty environments and where ventilation is not sufficient to keep dust levels below permissible exposure limits.

Eye protection: Goggles or safety glasses are recommended when sawing, sanding or machining this product.

Skin and body protection: Protective clothing and gloves are recommended when sawing, sanding, machining or otherwise handling bamboo and bamboo products. Wash exposed area thoroughly after working with the bamboo, before eating, drinking, and use of tobacco products.

9) PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--------------------------------|--|
| Appearance: | Flooring, available in various styles, colors and sizes. |
| Physical state: | Solid |
| Density: | approx. 700 kg/m ³ |
| Solubility (H ₂ O): | Insoluble |

10) STABILITY AND REACTIVITY

Chemical stability: This product is stable under ordinary conditions of use. There may be a slight release of formaldehyde from uncovered products; however, the tested concentration is at or below the emission class E1. The release of formaldehyde decreases over time according to well established decay dynamics. The concentration will reach its peak value in a confined area.

Conditions to avoid: Avoid excess heat, open flames, and sparks. Avoid contact with incompatible materials. Avoid prolonged direct sunlight and moisture/humidity.

Hazardous reactions: Will not occur

Incompatible materials: Will not occur

Hazardous decomposition products: Burning of any bamboo/wood can produce irritating fumes and gases including carbon monoxide, carbon dioxide, aldehydes and organic acids.

11) TOXICOLOGICAL INFORMATION

Acute and chronic toxicity: Bamboo dust generated from sawing, sanding, or machining may cause temporary nasal dryness, irritation of the eyes and upper respiratory system, coughing. Allergic skin and lung reactions have been reported with exposure to various wood dusts due to the chemicals present in the wood.

Carcinogenicity: Not available for product in purchased form.

Formaldehyde vapor and water solution may irritate the nose, throat, eyes and skin. Formaldehyde solution may cause irritation and skin allergies. The International Agency for Research on Cancer (IARC) has reported that formaldehyde vapor is harmful to human health and may increase the possibility of lung cancer. From animal experiments, it is clear that prolonged exposure to a high concentration of formaldehyde vapor may lead to lung cancer.

Over 150,000 people are involved in occupational disease research, but research can provide limited evidence that formaldehyde emission leads to the increase of lung cancer and rhinal throat cancer.

12) ECOLOGICAL INFORMATION

No data available for this product. This product is expected to be inherently biodegradable.

13) DISPOSAL CONSIDERATIONS

Dispose of material according to local, state, federal and provincial regulations.

14) TRANSPORT INFORMATION

This product is not regulated as a hazardous material by the United States (DOT) or Canadian (TDG) transportation regulations.

15) REGULATORY INFORMATION

This list does not represent an all-inclusive-selection of regulations.

OSHA: Wood and wood products are considered manufactured articles and are exempt under OSHA's Hazard Communication Standard (29 CFR 1910.1200). Wood dust, a by-product generated from sawing, sanding or machining wood and wood products, is considered hazardous under OSHA's Hazard Communication Standard (29 CFR 1910.1200).

REACH: Wood and wood products are considered manufactured articles and are exempt under REACH (EU Regulation (EC) No. 1907/2006). None of the components of the product are listed in Annex XIV - List of substances subject to authorization.

16) OTHER INFORMATION

Disclaimer: **IMPORTANT:** The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. Buyer assumes all risk of use, storage and handling of the product in compliance with applicable federal, state and local laws and regulations. Moso International BV, makes no warranty of any kind, expressed or implied, concerning the accuracy or completeness of the information and data herein. The implied warranties of merchantability and fitness for a particular purpose are specifically excluded. Moso International BV, will not be liable for claims relating to any party's use of or reliance on information and data contained herein regardless of whether it is claimed that the information and data are inaccurate, incomplete or otherwise misleading.

SAFETY DATA SHEET

MOSO BAMBOO ELITE (SP-PP)

1) CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

| | | | |
|---------------|---|---|--|
| Product name: | MOSO® Bamboo Elite (Solid Wide board), Side Pressed / Plain Pressed versions | | |
| Supplier: | Moso International BV Adam Smithweg 2 NL-1689 ZW Zwaag The Netherlands | T +31(0)229 265732 F +31(0)229 267759 info@moso.eu www.moso.eu | |
| Description: | The Moso bamboo products are composed of bamboo strips and possible other materials, bonded with adhesives, finished with coating or oil, from third party manufacturers. | | |

2) HAZARDS IDENTIFICATION

| | |
|------------------------------------|---|
| Important hazards: | Sawing, sanding or machining bamboo products can produce dust which can cause an explosion hazard. Dust or splinters may cause upper respiratory tract, eye and skin irritation. |
| Inhalation: | Dust may cause respiratory irritation, nasal dryness, coughing, sneezing, wheezing, headache and sinusitis. Repeated or prolonged exposure at elevated dust levels may result in allergic responses or respiratory sensitization in some individuals. |
| Skin contact: | Certain species of bamboo/wood may cause allergic contact dermatitis in sensitized individuals. If an allergy preexists or develops, it may be necessary to remove the sensitized worker from further exposure to dust. |
| Eye contact: | Dust or splinters may cause irritation or injury to the eyes. |
| Ingestion: | Not applicable under normal use. If ingested, may cause gastrointestinal tract irritation. |
| Chemical product specific hazards: | During manufacturing, there may be a slight release of formaldehyde from uncovered products; however, the tested concentration is at or below the emission class E1. The release of formaldehyde decreases over time according to well established decay dynamics. The concentration will reach its peak value in a confined area. Ventilation in areas where product is stored is recommended. |

Outline of an anticipated emergency:

HMIS rating: Health = 0, Fire = 1, Physical Hazard = 0, Personal Protection = 0

Hazard Scale: 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe, * = Chronic hazard

3) COMPOSITION/INFORMATION ON INGREDIENTS

| Name | CAS # | Content (% Weight) |
|---|------------|--------------------|
| Bamboo (<i>Phyllostachys pubescens</i>) | n.a. | 96 - 97 % |
| Melamine Urea Formaldehyde Resin (MUF) | 25036-13-9 | < 3,5 % |
| UV coating | n.a. | < 1 % |

UV Coating formulations are proprietary. MSDS information is available from the coating manufacturers upon request.

Wood and wood products are manufactured articles and are not considered hazardous under OSHA Hazard Communication Standard 29 CFR 1910.1200. Wood/Bamboo dust, a by-product generated from sawing, sanding or machining bamboo and bamboo products, may be hazardous.

4) FIRST-AID MEASURES

- Inhalation:** If inhaled, immediately remove the affected person to fresh air. If persistent irritation, severe coughing or breathing difficulty occurs, get medical attention.
- Skin contact:** For skin contact, wash immediately with soap and water. If irritation persists, get medical attention.
- Eye contact:** Do not rub your eyes. Particles may cause the eye to be scratched. Remove contact lenses if worn. Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, contact a physician.
- Ingestion:** Not applicable under normal use. If ingested, may cause gastrointestinal tract irritation.

5) FIRE-FIGHTING MEASURES

Sawing, sanding or machining bamboo/wood or bamboo/wood products can produce dust which is a strong to severe explosion hazard if a dust "cloud" contacts an ignition source. An airborne concentration of 40 grams of dust per cubic meter of air is often used as the lower explosion limit (LEL) for bamboo/wood dust.

Extinguishing media: Water spray, carbon dioxide or dry chemical

Specific hazards: Burning of bamboo/wood can produce irritating fumes and gases including carbon monoxide, aldehydes and organic acids.

Specific extinguishing methods: Firefighters should wear protective clothing including self-contained breathing apparatus (SCBA) to avoid breathing any wood combustion products. Partially burned dust is especially hazardous if dispersed into the air. Wet down dust to reduce likelihood of ignition or dispersion. Remove burned or wet dust to open, secure area after fire is extinguished.

6) ACCIDENTAL RELEASE MEASURES

Not applicable for product in its purchased form. Sweep or vacuum dust generated from sawing, sanding or manufacturing for recovery or disposal. Wet down accumulated wood dust to reduce the likelihood of ignition or dispersion of dust into the air. Use with adequate ventilation. Do not inhale dusts during clean up. Use approved dust mask or filtering face piece where ventilation is not possible and exposure limits could be exceeded.

7) HANDLING AND STORAGE

Handling: Use this product with adequate ventilation. Avoid frequent or prolonged inhalation of wood dust. Goggles or safety glasses are recommended to protect eyes from flying particles. Avoid contact with skin and wash exposed areas thoroughly. Change protective clothing and gloves when signs of contamination appear. Bamboo and bamboo products are combustible and, therefore, should not be subjected to temperatures exceeding the auto ignition temperature. Wet down bamboo dust generated by sawing, sanding, or machining to reduce the likelihood of ignition or dispersion of dust into the air.

Storage: Store flat, supported and protected from direct contact with the ground, in a well-ventilated, cool, dry place, avoid high moisture and humidity, away from open flames or temperatures high enough to ignite or cause smoldering combustion.

8) EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering controls: Due to the explosive potential of dust when suspended in air, precautions should be taken when sawing, sanding, or machining bamboo and bamboo products to prevent sparks or other ignition sources in ventilation equipment. Local exhaust ventilation is recommended when sawing, sanding, machining this product. General dilution ventilation is recommended in processing and storage areas.

Personal protective equipment:

General: Follow good hygienic and housekeeping practices. Clean up areas where dust settles to avoid excessive accumulation of the combustible material. Minimize generation of airborne dust concentrations.

Respiratory protection: An approved dust mask or filtering face piece is recommended in dusty environments and where ventilation is not sufficient to keep dust levels below permissible exposure limits.

Eye protection: Goggles or safety glasses are recommended when sawing, sanding or machining this product.

Skin and body protection: Protective clothing and gloves are recommended when sawing, sanding, machining or otherwise handling bamboo and bamboo products. Wash exposed area thoroughly after working with the bamboo, before eating, drinking, and use of tobacco products.

9) PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--------------------------------|--|
| Appearance: | Flooring, available in various styles, colors and sizes. |
| Physical state: | Solid |
| Density: | approx. 700 kg/m ³ |
| Solubility (H ₂ O): | Insoluble |

10) STABILITY AND REACTIVITY

Chemical stability: This product is stable under ordinary conditions of use. There may be a slight release of formaldehyde from uncovered products; however, the tested concentration is at or below the emission class E1. The release of formaldehyde decreases over time according to well established decay dynamics. The concentration will reach its peak value in a confined area.

Conditions to avoid: Avoid excess heat, open flames, and sparks. Avoid contact with incompatible materials. Avoid prolonged direct sunlight and moisture/humidity.

Hazardous reactions: Will not occur

Incompatible materials: Will not occur

Hazardous decomposition products: Burning of any bamboo/wood can produce irritating fumes and gases including carbon monoxide, carbon dioxide, aldehydes and organic acids.

11) TOXICOLOGICAL INFORMATION

Acute and chronic toxicity: Bamboo dust generated from sawing, sanding, or machining may cause temporary nasal dryness, irritation of the eyes and upper respiratory system, coughing. Allergic skin and lung reactions have been reported with exposure to various wood dusts due to the chemicals present in the wood.

Carcinogenicity: Not available for product in purchased form.

Formaldehyde vapor and water solution may irritate the nose, throat, eyes and skin. Formaldehyde solution may cause irritation and skin allergies. The International Agency for Research on Cancer (IARC) has reported that formaldehyde vapor is harmful to human health and may increase the possibility of lung cancer. From animal experiments, it is clear that prolonged exposure to a high concentration of formaldehyde vapor may lead to lung cancer.

Over 150,000 people are involved in occupational disease research, but research can provide limited evidence that formaldehyde emission leads to the increase of lung cancer and rhinal throat cancer.

12) ECOLOGICAL INFORMATION

No data available for this product. This product is expected to be inherently biodegradable.

13) DISPOSAL CONSIDERATIONS

Dispose of material according to local, state, federal and provincial regulations.

14) TRANSPORT INFORMATION

This product is not regulated as a hazardous material by the United States (DOT) or Canadian (TDG) transportation regulations.

15) REGULATORY INFORMATION

This list does not represent an all-inclusive-selection of regulations.

OSHA: Wood and wood products are considered manufactured articles and are exempt under OSHA's Hazard Communication Standard (29 CFR 1910.1200). Wood dust, a by-product generated from sawing, sanding or machining wood and wood products, is considered hazardous under OSHA's Hazard Communication Standard (29 CFR 1910.1200).

REACH: Wood and wood products are considered manufactured articles and are exempt under REACH (EU Regulation (EC) No. 1907/2006). None of the components of the product are listed in Annex XIV - List of substances subject to authorization.

16) OTHER INFORMATION

Disclaimer: **IMPORTANT:** The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. Buyer assumes all risk of use, storage and handling of the product in compliance with applicable federal, state and local laws and regulations. Moso International BV, makes no warranty of any kind, expressed or implied, concerning the accuracy or completeness of the information and data herein. The implied warranties of merchantability and fitness for a particular purpose are specifically excluded. Moso International BV, will not be liable for claims relating to any party's use of or reliance on information and data contained herein regardless of whether it is claimed that the information and data are inaccurate, incomplete or otherwise misleading.

SAFETY DATA SHEET

MOSO BAMBOO SUPREME (HD)

1) CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

| | | | |
|---------------|---|---|--|
| Product name: | MOSO® Bamboo Supreme (2-Ply Flooring), High Density version | | |
| Supplier: | Moso International BV Adam Smithweg 2 NL-1689 ZW Zwaag The Netherlands | T +31(0)229 265732 F +31(0)229 267759 info@moso.eu www.moso.eu | |
| Description: | The Moso bamboo products are composed of bamboo strips and possible other materials, bonded with adhesives, finished with coating or oil, from third party manufacturers. | | |

2) HAZARDS IDENTIFICATION

| | |
|------------------------------------|---|
| Important hazards: | Sawing, sanding or machining bamboo products can produce dust which can cause an explosion hazard. Dust or splinters may cause upper respiratory tract, eye and skin irritation. |
| Inhalation: | Dust may cause respiratory irritation, nasal dryness, coughing, sneezing, wheezing, headache and sinusitis. Repeated or prolonged exposure at elevated dust levels may result in allergic responses or respiratory sensitization in some individuals. |
| Skin contact: | Certain species of bamboo/wood may cause allergic contact dermatitis in sensitized individuals. If an allergy preexists or develops, it may be necessary to remove the sensitized worker from further exposure to dust. |
| Eye contact: | Dust or splinters may cause irritation or injury to the eyes. |
| Ingestion: | Not applicable under normal use. If ingested, may cause gastrointestinal tract irritation. |
| Chemical product specific hazards: | During manufacturing, there may be a slight release of formaldehyde from uncovered products; however, the tested concentration is at or below the emission class E1. The release of formaldehyde decreases over time according to well established decay dynamics. The concentration will reach its peak value in a confined area. Ventilation in areas where product is stored is recommended. |

Outline of an anticipated emergency:

HMIS rating: Health = 0, Fire = 1, Physical Hazard = 0, Personal Protection = 0

Hazard Scale: 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe, * = Chronic hazard

3) COMPOSITION/INFORMATION ON INGREDIENTS

| Name | CAS # | Content (% Weight) |
|---|-------------|--------------------|
| Bamboo (<i>Phyllostachys pubescens</i>) | n.a. | 94 - 98 % |
| Phenol Formaldehyde Resin (PF) | 9003-35-4 | < 2 % |
| Emulsion Poly Isocyanate (EPI) | 9016-87-9 | < 2 % |
| UV coating / Oil | Bona / Woca | < 2,5 % / < 0,5 % |

UV Coating and Oil formulations are proprietary. MSDS information is available from the coating manufacturers upon request.

Wood and wood products are manufactured articles and are not considered hazardous under OSHA Hazard Communication Standard 29 CFR 1910.1200. Wood/Bamboo dust, a by-product generated from sawing, sanding or machining bamboo and bamboo products, may be hazardous.

4) FIRST-AID MEASURES

- Inhalation:** If inhaled, immediately remove the affected person to fresh air. If persistent irritation, severe coughing or breathing difficulty occurs, get medical attention.
- Skin contact:** For skin contact, wash immediately with soap and water. If irritation persists, get medical attention.
- Eye contact:** Do not rub your eyes. Particles may cause the eye to be scratched. Remove contact lenses if worn. Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, contact a physician.
- Ingestion:** Not applicable under normal use. If ingested, may cause gastrointestinal tract irritation.

5) FIRE-FIGHTING MEASURES

Sawing, sanding or machining bamboo/wood or bamboo/wood products can produce dust which is a strong to severe explosion hazard if a dust "cloud" contacts an ignition source. An airborne concentration of 40 grams of dust per cubic meter of air is often used as the lower explosion limit (LEL) for bamboo/wood dust.

Extinguishing media: Water spray, carbon dioxide or dry chemical

Specific hazards: Burning of bamboo/wood can produce irritating fumes and gases including carbon monoxide, aldehydes and organic acids.

Specific extinguishing methods: Firefighters should wear protective clothing including self-contained breathing apparatus (SCBA) to avoid breathing any wood combustion products. Partially burned dust is especially hazardous if dispersed into the air. Wet down dust to reduce likelihood of ignition or dispersion. Remove burned or wet dust to open, secure area after fire is extinguished.

6) ACCIDENTAL RELEASE MEASURES

Not applicable for product in its purchased form. Sweep or vacuum dust generated from sawing, sanding or manufacturing for recovery or disposal. Wet down accumulated wood dust to reduce the likelihood of ignition or dispersion of dust into the air. Use with adequate ventilation. Do not inhale dusts during clean up. Use approved dust mask or filtering face piece where ventilation is not possible and exposure limits could be exceeded.

7) HANDLING AND STORAGE

Handling: Use this product with adequate ventilation. Avoid frequent or prolonged inhalation of wood dust. Goggles or safety glasses are recommended to protect eyes from flying particles. Avoid contact with skin and wash exposed areas thoroughly. Change protective clothing and gloves when signs of contamination appear. Bamboo and bamboo products are combustible and, therefore, should not be subjected to temperatures exceeding the auto ignition temperature. Wet down bamboo dust generated by sawing, sanding, or machining to reduce the likelihood of ignition or dispersion of dust into the air.

Storage: Store flat, supported and protected from direct contact with the ground, in a well-ventilated, cool, dry place, avoid high moisture and humidity, away from open flames or temperatures high enough to ignite or cause smoldering combustion.

8) EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering controls: Due to the explosive potential of dust when suspended in air, precautions should be taken when sawing, sanding, or machining bamboo and bamboo products to prevent sparks or other ignition sources in ventilation equipment. Local exhaust ventilation is recommended when sawing, sanding, machining this product. General dilution ventilation is recommended in processing and storage areas.

Personal protective equipment:

General: Follow good hygienic and housekeeping practices. Clean up areas where dust settles to avoid excessive accumulation of the combustible material. Minimize generation of airborne dust concentrations.

Respiratory protection: An approved dust mask or filtering face piece is recommended in dusty environments and where ventilation is not sufficient to keep dust levels below permissible exposure limits.

Eye protection: Goggles or safety glasses are recommended when sawing, sanding or machining this product.

Skin and body protection: Protective clothing and gloves are recommended when sawing, sanding, machining or otherwise handling bamboo and bamboo products. Wash exposed area thoroughly after working with the bamboo, before eating, drinking, and use of tobacco products.

9) PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--------------------------------|--|
| Appearance: | Flooring, available in various styles, colors and sizes. |
| Physical state: | Solid |
| Density: | approx. 700 kg/m ³ |
| Solubility (H ₂ O): | Insoluble |

10) STABILITY AND REACTIVITY

Chemical stability: This product is stable under ordinary conditions of use. There may be a slight release of formaldehyde from uncovered products; however, the tested concentration is at or below the emission class E1. The release of formaldehyde decreases over time according to well established decay dynamics. The concentration will reach its peak value in a confined area.

Conditions to avoid: Avoid excess heat, open flames, and sparks. Avoid contact with incompatible materials. Avoid prolonged direct sunlight and moisture/humidity.

Hazardous reactions: Will not occur

Incompatible materials: Will not occur

Hazardous decomposition products: Burning of any bamboo/wood can produce irritating fumes and gases including carbon monoxide, carbon dioxide, aldehydes and organic acids.

11) TOXICOLOGICAL INFORMATION

Acute and chronic toxicity: Bamboo dust generated from sawing, sanding, or machining may cause temporary nasal dryness, irritation of the eyes and upper respiratory system, coughing. Allergic skin and lung reactions have been reported with exposure to various wood dusts due to the chemicals present in the wood.

Carcinogenicity: Not available for product in purchased form.

Formaldehyde vapor and water solution may irritate the nose, throat, eyes and skin. Formaldehyde solution may cause irritation and skin allergies. The International Agency for Research on Cancer (IARC) has reported that formaldehyde vapor is harmful to human health and may increase the possibility of lung cancer. From animal experiments, it is clear that prolonged exposure to a high concentration of formaldehyde vapor may lead to lung cancer.

Over 150,000 people are involved in occupational disease research, but research can provide limited evidence that formaldehyde emission leads to the increase of lung cancer and rhinal throat cancer.

12) ECOLOGICAL INFORMATION

No data available for this product. This product is expected to be inherently biodegradable.

13) DISPOSAL CONSIDERATIONS

Dispose of material according to local, state, federal and provincial regulations.

14) TRANSPORT INFORMATION

This product is not regulated as a hazardous material by the United States (DOT) or Canadian (TDG) transportation regulations.

15) REGULATORY INFORMATION

This list does not represent an all-inclusive-selection of regulations.

OSHA: Wood and wood products are considered manufactured articles and are exempt under OSHA's Hazard Communication Standard (29 CFR 1910.1200). Wood dust, a by-product generated from sawing, sanding or machining wood and wood products, is considered hazardous under OSHA's Hazard Communication Standard (29 CFR 1910.1200).

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SAFETY DATA SHEET

MOSO BAMBOO SUPREME (SP-PP)

1) CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

| | | | |
|---------------|---|---|--|
| Product name: | MOSO® Bamboo Supreme (2-Ply Flooring), Side Pressed / Plain Pressed versions | | |
| Supplier: | Moso International BV Adam Smithweg 2 NL-1689 ZW Zwaag The Netherlands | T +31(0)229 265732 F +31(0)229 267759 info@moso.eu www.moso.eu | |
| Description: | The Moso bamboo products are composed of bamboo strips and possible other materials, bonded with adhesives, finished with coating or oil, from third party manufacturers. | | |

2) HAZARDS IDENTIFICATION

| | |
|------------------------------------|---|
| Important hazards: | Sawing, sanding or machining bamboo products can produce dust which can cause an explosion hazard. Dust or splinters may cause upper respiratory tract, eye and skin irritation. |
| Inhalation: | Dust may cause respiratory irritation, nasal dryness, coughing, sneezing, wheezing, headache and sinusitis. Repeated or prolonged exposure at elevated dust levels may result in allergic responses or respiratory sensitization in some individuals. |
| Skin contact: | Certain species of bamboo/wood may cause allergic contact dermatitis in sensitized individuals. If an allergy preexists or develops, it may be necessary to remove the sensitized worker from further exposure to dust. |
| Eye contact: | Dust or splinters may cause irritation or injury to the eyes. |
| Ingestion: | Not applicable under normal use. If ingested, may cause gastrointestinal tract irritation. |
| Chemical product specific hazards: | During manufacturing, there may be a slight release of formaldehyde from uncovered products; however, the tested concentration is at or below the emission class E1. The release of formaldehyde decreases over time according to well established decay dynamics. The concentration will reach its peak value in a confined area. Ventilation in areas where product is stored is recommended. |

Outline of an anticipated emergency:

HMIS rating: Health = 0, Fire = 1, Physical Hazard = 0, Personal Protection = 0

Hazard Scale: 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe, * = Chronic hazard

3) COMPOSITION/INFORMATION ON INGREDIENTS

| Name | CAS # | Content (% Weight) |
|---|-------------|--------------------|
| Bamboo (<i>Phyllostachys pubescens</i>) | n.a. | 96 - 99 % |
| Urea Formaldehyde Resin (UF) | 9011-05-6 | < 1 % |
| Emulsion Poly Isocyanate (EPI) | 9016-87-9 | < 1,5 % |
| UV coating / Oil | Bona / Woca | < 2 % / < 0,5 % |

UV Coating and Oil formulations are proprietary. MSDS information is available from the coating manufacturers upon request.

Wood and wood products are manufactured articles and are not considered hazardous under OSHA Hazard Communication Standard 29 CFR 1910.1200. Wood/Bamboo dust, a by-product generated from sawing, sanding or machining bamboo and bamboo products, may be hazardous.

4) FIRST-AID MEASURES

- Inhalation:** If inhaled, immediately remove the affected person to fresh air. If persistent irritation, severe coughing or breathing difficulty occurs, get medical attention.
- Skin contact:** For skin contact, wash immediately with soap and water. If irritation persists, get medical attention.
- Eye contact:** Do not rub your eyes. Particles may cause the eye to be scratched. Remove contact lenses if worn. Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, contact a physician.
- Ingestion:** Not applicable under normal use. If ingested, may cause gastrointestinal tract irritation.

5) FIRE-FIGHTING MEASURES

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Extinguishing media: Water spray, carbon dioxide or dry chemical

Specific hazards: Burning of bamboo/wood can produce irritating fumes and gases including carbon monoxide, aldehydes and organic acids.

Specific extinguishing methods: Firefighters should wear protective clothing including self-contained breathing apparatus (SCBA) to avoid breathing any wood combustion products. Partially burned dust is especially hazardous if dispersed into the air. Wet down dust to reduce likelihood of ignition or dispersion. Remove burned or wet dust to open, secure area after fire is extinguished.

6) ACCIDENTAL RELEASE MEASURES

Not applicable for product in its purchased form. Sweep or vacuum dust generated from sawing, sanding or manufacturing for recovery or disposal. Wet down accumulated wood dust to reduce the likelihood of ignition or dispersion of dust into the air. Use with adequate ventilation. Do not inhale dusts during clean up. Use approved dust mask or filtering face piece where ventilation is not possible and exposure limits could be exceeded.

7) HANDLING AND STORAGE

Handling: Use this product with adequate ventilation. Avoid frequent or prolonged inhalation of wood dust. Goggles or safety glasses are recommended to protect eyes from flying particles. Avoid contact with skin and wash exposed areas thoroughly. Change protective clothing and gloves when signs of contamination appear. Bamboo and bamboo products are combustible and, therefore, should not be subjected to temperatures exceeding the auto ignition temperature. Wet down bamboo dust generated by sawing, sanding, or machining to reduce the likelihood of ignition or dispersion of dust into the air.

Storage: Store flat, supported and protected from direct contact with the ground, in a well-ventilated, cool, dry place, avoid high moisture and humidity, away from open flames or temperatures high enough to ignite or cause smoldering combustion.

8) EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering controls: Due to the explosive potential of dust when suspended in air, precautions should be taken when sawing, sanding, or machining bamboo and bamboo products to prevent sparks or other ignition sources in ventilation equipment. Local exhaust ventilation is recommended when sawing, sanding, machining this product. General dilution ventilation is recommended in processing and storage areas.

Personal protective equipment:

General: Follow good hygienic and housekeeping practices. Clean up areas where dust settles to avoid excessive accumulation of the combustible material. Minimize generation of airborne dust concentrations.

Respiratory protection: An approved dust mask or filtering face piece is recommended in dusty environments and where ventilation is not sufficient to keep dust levels below permissible exposure limits.

Eye protection: Goggles or safety glasses are recommended when sawing, sanding or machining this product.

Skin and body protection: Protective clothing and gloves are recommended when sawing, sanding, machining or otherwise handling bamboo and bamboo products. Wash exposed area thoroughly after working with the bamboo, before eating, drinking, and use of tobacco products.

9) PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--------------------------------|--|
| Appearance: | Flooring, available in various styles, colors and sizes. |
| Physical state: | Solid |
| Density: | approx. 700 kg/m ³ |
| Solubility (H ₂ O): | Insoluble |

10) STABILITY AND REACTIVITY

Chemical stability: This product is stable under ordinary conditions of use. There may be a slight release of formaldehyde from uncovered products; however, the tested concentration is at or below the emission class E1. The release of formaldehyde decreases over time according to well established decay dynamics. The concentration will reach its peak value in a confined area.

Conditions to avoid: Avoid excess heat, open flames, and sparks. Avoid contact with incompatible materials. Avoid prolonged direct sunlight and moisture/humidity.

Hazardous reactions: Will not occur

Incompatible materials: Will not occur

Hazardous decomposition products: Burning of any bamboo/wood can produce irritating fumes and gases including carbon monoxide, carbon dioxide, aldehydes and organic acids.

11) TOXICOLOGICAL INFORMATION

Acute and chronic toxicity: Bamboo dust generated from sawing, sanding, or machining may cause temporary nasal dryness, irritation of the eyes and upper respiratory system, coughing. Allergic skin and lung reactions have been reported with exposure to various wood dusts due to the chemicals present in the wood.

Carcinogenicity: Not available for product in purchased form.

Formaldehyde vapor and water solution may irritate the nose, throat, eyes and skin. Formaldehyde solution may cause irritation and skin allergies. The International Agency for Research on Cancer (IARC) has reported that formaldehyde vapor is harmful to human health and may increase the possibility of lung cancer. From animal experiments, it is clear that prolonged exposure to a high concentration of formaldehyde vapor may lead to lung cancer.

Over 150,000 people are involved in occupational disease research, but research can provide limited evidence that formaldehyde emission leads to the increase of lung cancer and rhinal throat cancer.

12) ECOLOGICAL INFORMATION

No data available for this product. This product is expected to be inherently biodegradable.

13) DISPOSAL CONSIDERATIONS

Dispose of material according to local, state, federal and provincial regulations.

14) TRANSPORT INFORMATION

This product is not regulated as a hazardous material by the United States (DOT) or Canadian (TDG) transportation regulations.

15) REGULATORY INFORMATION

This list does not represent an all-inclusive-selection of regulations.

OSHA: Wood and wood products are considered manufactured articles and are exempt under OSHA's Hazard Communication Standard (29 CFR 1910.1200). Wood dust, a by-product generated from sawing, sanding or machining wood and wood products, is considered hazardous under OSHA's Hazard Communication Standard (29 CFR 1910.1200).

REACH: Wood and wood products are considered manufactured articles and are exempt under REACH (EU Regulation (EC) No. 1907/2006). None of the components of the product are listed in Annex XIV - List of substances subject to authorization.

16) OTHER INFORMATION

Disclaimer: **IMPORTANT:** The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. Buyer assumes all risk of use, storage and handling of the product in compliance with applicable federal, state and local laws and regulations. Moso International BV, makes no warranty of any kind, expressed or implied, concerning the accuracy or completeness of the information and data herein. The implied warranties of merchantability and fitness for a particular purpose are specifically excluded. Moso International BV, will not be liable for claims relating to any party's use of or reliance on information and data contained herein regardless of whether it is claimed that the information and data are inaccurate, incomplete or otherwise misleading.

CERTIFICATE

CERTIFICATION CODE: CU-COC-810267

Field of attention:

FSC® Chain of Custody (COC)

Issued to:

**MOSO International B.V.
Zwaag, NETHERLANDS
Project in: NETHERLANDS**

Standard:

FSC-STD-40-003 V2-1 CoC Certification of Multiple Sites;, 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: 23 December 2028

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:
24 December 2023
Place and date of issue:
Zwolle, 16 December 2024

CERTIFICATE No: C 810267CU-
COC-01.2024

Declared by:



On behalf of the Managing Director

Mevrouw I.J.H. Dijkman

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-810267
FSC® Chain of Custody (COC)**

MOSO International B.V.
Adam Smithweg 2
1689 ZW Zwaag
Nederland

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) 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 064121 | N5.4 Bamboo plywood | FSC 100% | PRC 010770, PRC 010771, PRC 010774, PRC 038595, PRC 095073, PRC 101227 |
| P 064122 | N5.5 Bamboo flooring | FSC 100%, FSC Mix | PRC 010770, PRC 010771, PRC 010774, PRC 038595, PRC 095073, PRC 101227 |
| P 064123 | N5.6 Bamboo furniture | FSC 100% | PRC 010770, PRC 010771, PRC 010774, PRC 038595, PRC 095073, PRC 101227 |
| P 064124 | N5.7 Bamboo household articles and wickerwork | FSC 100% | PRC 010770, PRC 010771, PRC 010774, PRC 038595, PRC 095073, PRC 101227 |
| P 063786 | W7 Veneer | FSC 100%, FSC Mix | PRC 010770, PRC 010771, PRC 010774, PRC 038595, PRC 095073, PRC 101227 |

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 010771 | MVP International B.V. | D-02 | Adam Smithweg 2 Zwaag Nederland | Broker/trader without physical possession |
| PRC 010774 | MOSO Europe SLU | D-03 | C/ Pau Claris, 83 - Pral 2 ^a Barcelona, Andalusia SPAIN | Broker/trader without physical possession |
| PRC 038595 | Anji Moso Bamboo Products Company Ltd | D-05 | No.2 Building, Tangpu Industrial Zone. Anji Economic Development Area Huzhou City, Zhejiang Sheng CHINA | Broker/trader without physical possession |
| PRC 095073 | MOSO Italia SRL | D-06 | Via A. Locatelli, 86 Biassono (MB), Lombardia ITALY | Broker/trader without physical possession |
| PRC 101227 | Shaoxing MOSO Bamboo Products Company LTD | D-07 | Room 401, Building 1, No.125, Wolong Road Shaoxing, Zhejiang Sheng CHINA | Broker/trader without physical possession |



Annex to
CERTIFICATION CODE: CU-COC-810267
FSC® Chain of Custody (COC)

| Unit no. | Name of unit | Unit ref. | Address | Processes |
|------------|-------------------------|-----------|--|--|
| PRC 010770 | MOSO International B.V. | ICS | Adam Smithweg 2 Zwaag, Noord-Holland Nederland | Broker/trader with physical possession |

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:
24 December 2023

Authenticated by

Place and date of issue:
Zwolle, 16 December 2024

On behalf of the Managing Director
Mevrouw I.J.H. Dijkman
Certifier

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

HERSTELLERERKLÄRUNG EU-TAXONOMIE VERORDNUNG

Zur Bestätigung der Konformität gemäß Anlage C zur Vermeidung und Verminderung der Umweltverschmutzung gemäß der Delegierten Verordnung (EU) 2023/2486 der Kommission vom 27. Juni 2023.

Hiermit bestätigen wir:

MOSO International B.V.

Adam Smithweg 2, 1689 ZW, Zwaag

Niederlande

für das folgende Produkt / die folgenden Produkte:

MOSO Bamboo Outdoor products

MOSO Bamboo Solid Panels Veneers and Beams

MOSO Bamboo Flooring

| | |
|--|-------------|
| Das Produkt/ Erzeugnis/ mindestens ein Teilerzeugnis enthält Stoffe der Kandidatenliste (Version zum Ausstellungsdatum) oberhalb 0,1 Massen%: | nein |
| Das Produkt/Erzeugnis/mindestens ein Teilerzeugnis enthält weitere CMR-Stoffe der Kategorie 1A oder 1B, die nicht auf der Kandidatenliste stehen, oberhalb von 0,1 Massen-% in mindestens einem Teilerzeugnis: | nein |

Ort, Datum, Unterschrift, Stempel

22/7/2025 Zwaag 

MOSO International B.V.
Adam Smithweg 2
1689 ZW Zwaag
The Netherlands

Ihr Ansprechpartner für Rückfragen:

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van Heesch

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