



SHI-PRODUKTPASS

Produkte finden - Gebäude zertifizieren

SHI-Produktpass-Nr.:

15475-10-1003

MOSO® Bambusparkett

Warengruppe: Parkett - Bambusbeläge



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



Produktqualitäten:



Köttner

Helmut Köttner
Wissenschaftlicher Leiter
Freiburg, den 22.07.2025



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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 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: 18.07.2027			



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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

Nachweis: 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.

Bewertungsdatum: 22.07.2025

Kriterium	Bewertung
ANF2-WG1 Nachhaltige Materialgewinnung	Kann Gesamtbewertung positiv beeinflussen
Nachweis: FSC zertifiziert	
Bewertungsdatum: 22.07.2025	



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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	EU-Taxonomie konform
Nachweis: Herstellererklärung vom 22.08.2025			
Bewertungsdatum: 22.07.2025			



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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	Bewertung
ECO 1.1 Gebäudebezogene Kosten im Lebenszyklus	Kann Gesamtbewertung positiv beeinflussen
Nachweis: "Use Class 1 so will last long. Brinellhärte: ≥ 4 kg/mm ² (BL/HL), $\geq 9,5$ kg/mm ² (DT) (EN 1534)"	
Bewertungsdatum: 14.07.2025	

Kriterium	Bewertung
ECO 2.6 Klimaresilienz	Kann Gesamtbewertung positiv beeinflussen
Nachweis: "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)"	
Bewertungsdatum: 14.07.2025	

Kriterium	Bewertung
ENV 1.1 Klimaschutz und Energie	Kann Gesamtbewertung positiv beeinflussen
Nachweis: 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)"	
Bewertungsdatum: 14.07.2025	

Kriterium	Qualitätsstufe
ENV 1.3 Verantwortungsbewusste Ressourcengewinnung	Kann Gesamtbewertung positiv beeinflussen
Nachweis: FSC	
Bewertungsdatum: 14.07.2025	



Kriterium	Bewertung
SOC 1.3 Schallschutz und akustischer Komfort	Kann Gesamtbewertung positiv beeinflussen
Nachweis: Can have acoustic properties	
Bewertungsdatum: 14.07.2025	

Kriterium	Bewertung
SOC 1.4 Visueller Komfort	Kann Gesamtbewertung positiv beeinflussen
Nachweis: Aids to the biophillic design of a building	
Bewertungsdatum: 14.07.2025	

Kriterium	Pos. / Relevante Bauteile / Bau-Materialien / Flächen	Betrachtete Stoffe / Aspekte	Qualitätsstufe
ENV 1.2 Risiken für die lokale Umwelt	47c Holzwerkstoffe bei Bodenbelägen	VVOC, VOC, SVOC Emissionen und Gehalt an gefährlichen Stoffen	Qualitätsstufe: 4
Nachweis: 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.			
Bewertungsdatum: 22.07.2025			



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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: 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.			
Bewertungsdatum: 18.07.2025			



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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	2b Bodenbeläge aus Holzwerkstoffen – auch Systeme	VOC / gefährliche Stoffe	Qualitätsniveau 3

Nachweis: 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.

Bewertungsdatum: 18.07.2025

Kriterium	Bewertung
1.1.7 Nachhaltige Materialgewinnung	Kann Gesamtbewertung positiv beeinflussen

Nachweis: FSC zertifiziert

Bewertungsdatum: 22.07.2025



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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	Holzwerkstoffe		herausragende Qualität
Nachweis: 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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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.



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.

Alle Kriterien finden Sie unter:

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

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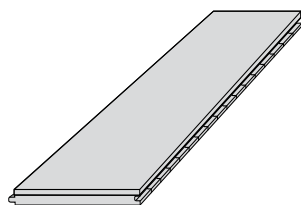


Herausgeber

Sentinel Holding Institut GmbH
Bötzingen Str. 38
79111 Freiburg im Breisgau
Tel.: +49 761 59048170
info@sentinel-holding.eu
www.sentinel-holding.eu

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 (m²)
	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) $y \geq 0,5$ (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 / Nutzschicht: 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 Verschleiss ²⁾: ≥ 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 E0 (< 0,025 mg/m³) ¹⁾ (DT)
- Gleitwiderstand ²⁾: 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 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.



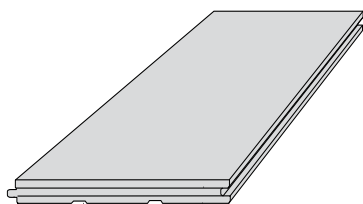
breeam



The mark of
responsible forestry
FSC® C002063

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.



Breitlamelle
Naturhell/Gedämpft



Hochkantlamelle
Naturhell/Gedämpft



Density®
Naturhell/Gedämpft



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 (m²)
	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)
- Gleitwiderstand ²⁾: 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.



breeam



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 T +31(0)229 265732
Adam Smithweg 2 F +31(0)229 267759
NL-1689 ZW Zwaag info@moso.eu
The Netherlands 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/m³
Solubility (H₂O): 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 T +31(0)229 265732
Adam Smithweg 2 F +31(0)229 267759
NL-1689 ZW Zwaag info@moso.eu
The Netherlands 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/m³
Solubility (H₂O): 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/m³
Solubility (H₂O): 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

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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

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/m³
Solubility (H₂O): 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 2ª 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

22/7/2025 Zwaag  MOSO International B.V.
Adam Smithweg 2
1689 ZW Zwaag
The Netherlands

Ihr Ansprechpartner für Rückfragen:

Name: van Heesch Telefon: +31 6 1342 5509

Mailadresse: evanheesch@moso.eu