

PALLET DESIGN SYSTEM Version 6.8

Pallet Specification Sheet

All dimensions in millimeters

Customer:

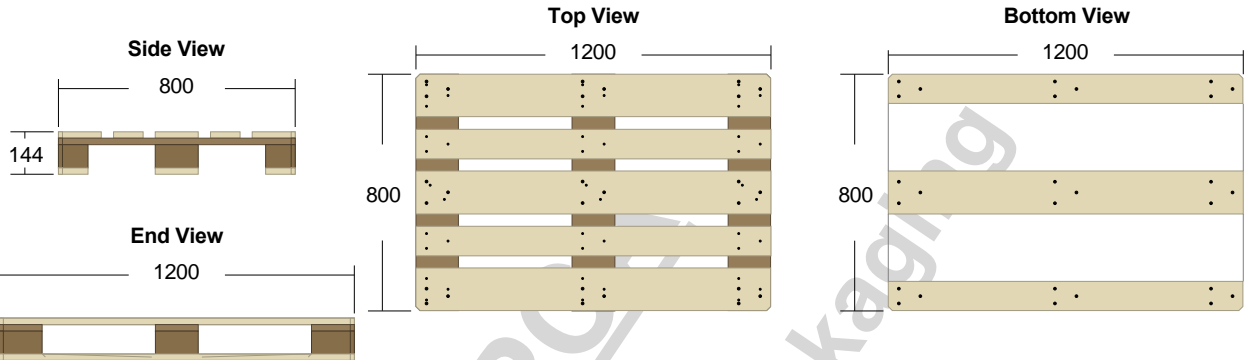
Prepared by:

MID CORK PALLETS & PACKAGING LTD
 CLONDROHID
 MACROOM
 CO. CORK.
 PDS License: 210 Printed: July 19, 2024

Pallet ID: 1200 X 800mm , Euro 1

Classification: 800 x 1200, Block-Class, Double-Face Non-Reversible, Full 4-Way, Reusable, New Manufacture

Pallet Treatments: ISPM-15 Compliance: Heat Treatment (HT) Conditioning: Kiln Dried - 19% EMC



Components

Top Deck:

Style: Deckboard/Stringerboard Type: New Lumber

Number	Thickness	Width	Length
2	22	100	1200
3	22	145	1200

Volume: 0.0168 cubic meters

Mat Assembly Method, Mat Fasteners Clinched

Bottom Deck:

Style: Unidirectional Base Type: New Lumber

Number	Thickness	Width	Length
2	22	100	1200
1	22	145	1200

Volume: 0.0091 cubic meters

Chamfers - Style: Stop (Depth: 11 Loc: 146 Length: 382)

Top Stringerboards:

Type: New Lumber

Number	Thickness	Width	Length
3	22	145	800

Volume: 0.0077 cubic meters

Blocks:

Type: Molded Wood Particle

Number	Width	Length	Height
6	145	100	78
3	145	145	78

Volume: 0.0117 cubic meters

Materials

Fasteners:

	Mat	TD Block	BD Block
Fastener ID:			
Fastener Type:	Plain	Annular	Annular
Fastener Length:	55	90	70
Thread Length:		76	57
Thread Diameter:		4.2	4.2
Wire Diameter:	2.8	3.7	3.7
Head Diameter:	6.5	8.0	8.0
Rings:		29	29
Pitch:		2.6	2.0
MIBANT Angle:	36	36	36
FWC:	1.00	6.25	6.25
Total Number:	42	27	27

New Lumber:

Lumber ID:

Species Class	Grade
Dense European Softwoods	Premium &BTR

Moisture Content (at manufacture and assembly): Green

Total New Lumber Volume: 0.0335 cubic meters

Spec Sheet Notes:

PALLET DESIGN SYSTEM Version 6.8

2-D Pallet Drawings

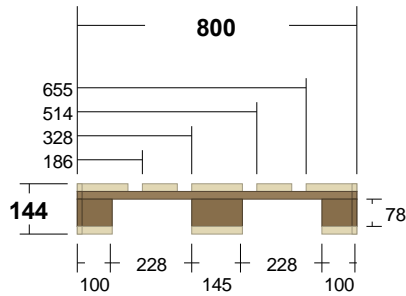
All dimensions in millimeters

Pallet ID: 1200 X 800mm , Euro 1

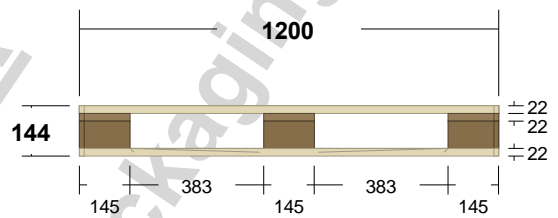
Classification: 800 x 1200, Block-Class, Double-Face Non-Reversible, Full 4-Way, Reusable, New Manufacture

Pallet Treatments: ISPM-15 Compliance: Heat Treatment (HT) Conditioning: Kiln Dried - 19% EMC

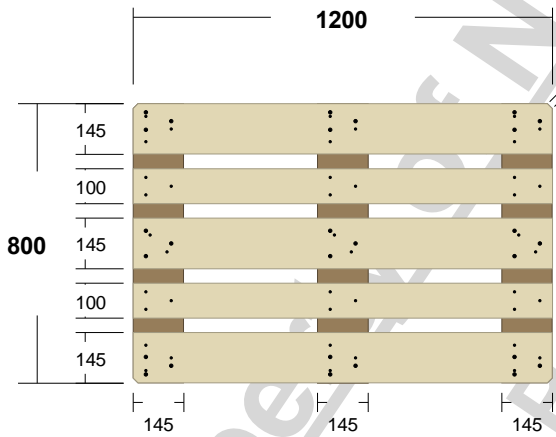
Side View



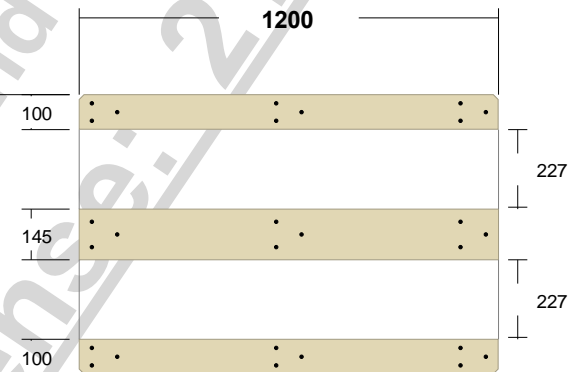
End View



Top View



Bottom View



All output generated from the PDS software (including without limitation the designs, drawings, plans, specification sheets, data, analyses, information, materials or other output produced by or with the assistance of the Software (PDS Output) are protected by copyright and other intellectual property laws and cannot be reproduced without the prior written consent of NWPCA. Lessee may provide a copy of the Output, which must bear the Lessee's watermark, to its manufacturer for the sole purpose of manufacturing the pallet for Lessee to sell or to its direct pallet customer for the sole purpose of selling pallets to that customer.

Customer:

Prepared by:

MID CORK PALLETS & PACKAGING LTD
CLONDROHID
MACROOM
CO. CORK.

PDS License: 210 Printed: July 19, 2024

PALLET DESIGN SYSTEM Version 6.8

Pallet Drawing - Side and End View

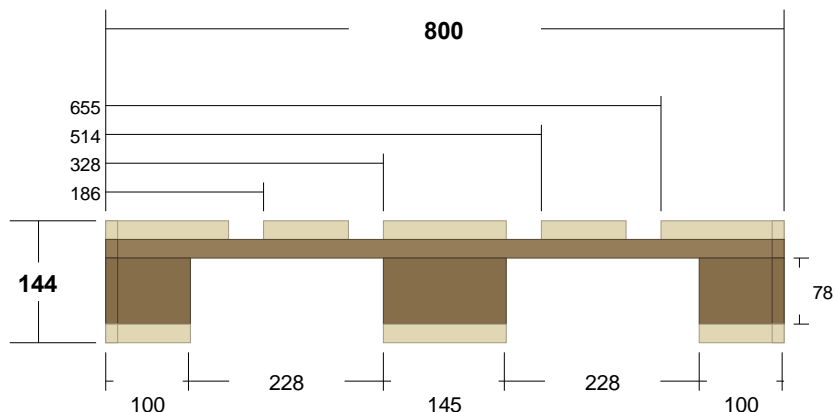
All dimensions in millimeters

Pallet ID: 1200 X 800mm , Euro 1

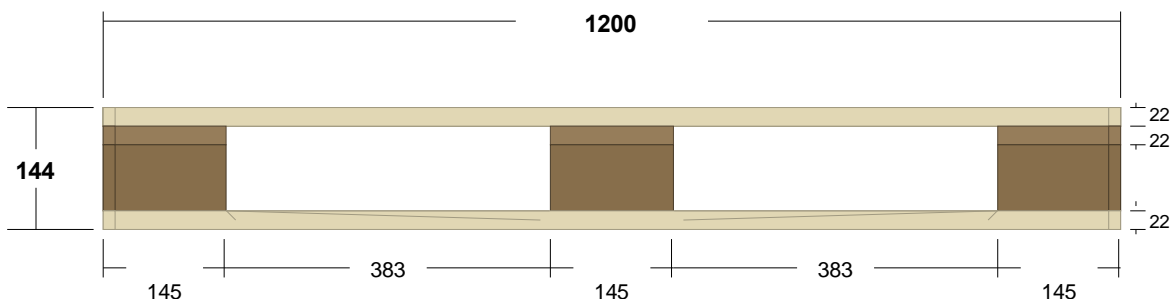
Classification: 800 x 1200, Block-Class, Double-Face Non-Reversible, Full 4-Way, Reusable, New Manufacture

Pallet Treatments: ISPM-15 Compliance: Heat Treatment (HT) Conditioning: Kiln Dried - 19% EMC

Side View



End View



All output generated from the PDS software (including without limitation the designs, drawings, plans, specification sheets, data, analyses, information, materials or other output produced by or with the assistance of the Software (PDS Output) are protected by copyright and other intellectual property laws and cannot be reproduced without the prior written consent of NWPCA. Lessee may provide a copy of the Output, which must bear the Lessee's watermark, to its manufacturer for the sole purpose of manufacturing the pallet for Lessee to sell or to its direct pallet customer for the sole purpose of selling pallets to that customer.

Customer:

Prepared by:

MID CORK PALLETS & PACKAGING LTD

CLONDROHID

MACROOM

CO. CORK.

PDS License: 210 Printed: July 19, 2024

PALLET DESIGN SYSTEM Version 6.8

Pallet Drawing - Top View

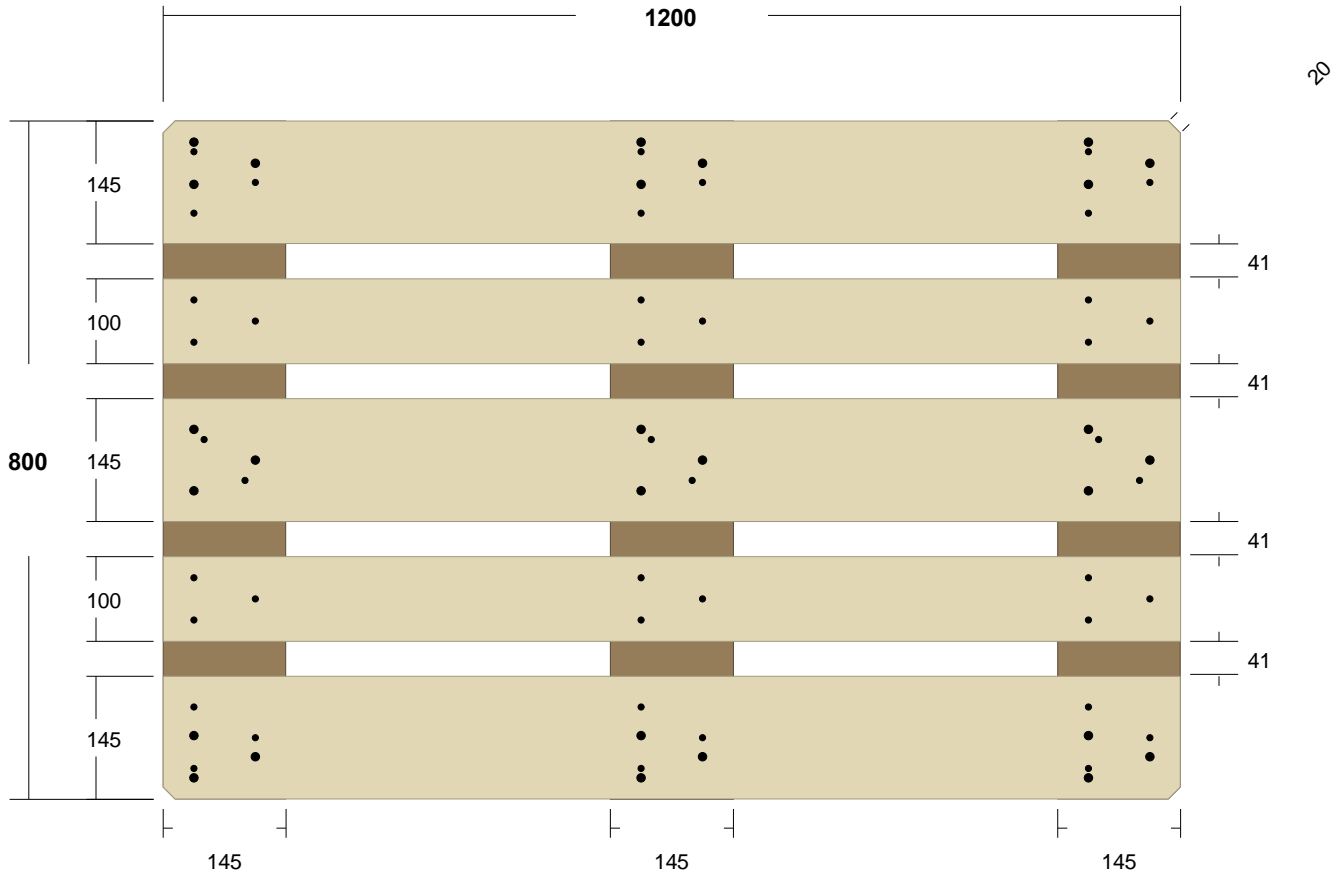
All dimensions in millimeters

Pallet ID: 1200 X 800mm , Euro 1

Classification: 800 x 1200, Block-Class, Double-Face Non-Reversible, Full 4-Way, Reusable, New Manufacture

Pallet Treatments: ISPM-15 Compliance: Heat Treatment (HT) Conditioning: Kiln Dried - 19% EMC

Top View



Customer:

Prepared by:

MID CORK PALLETS & PACKAGING LTD

CLONDROHID

MACROOM

CO. CORK.

PDS License: 210 Printed: July 19, 2024

PALLET DESIGN SYSTEM Version 6.8

Pallet Drawing - Bottom View

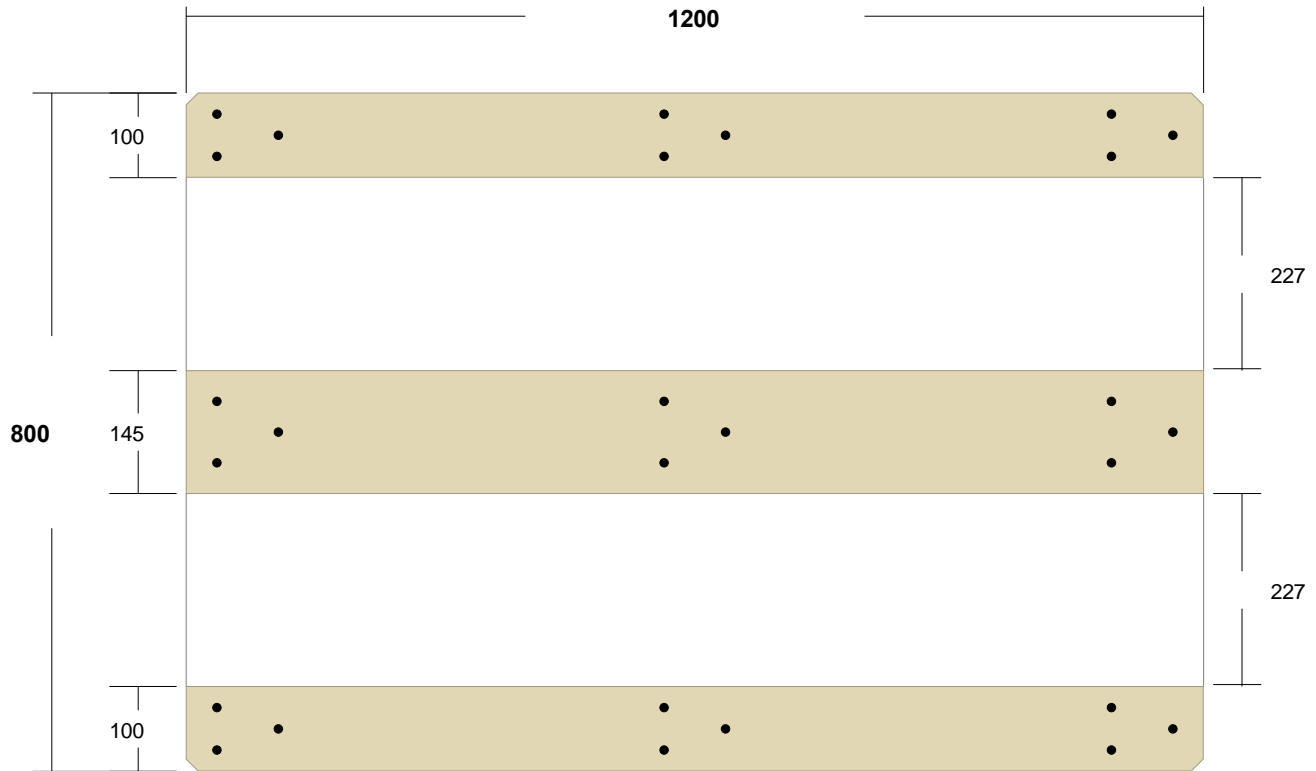
All dimensions in millimeters

Pallet ID: 1200 X 800mm , Euro 1

Classification: 800 x 1200, Block-Class, Double-Face Non-Reversible, Full 4-Way, Reusable, New Manufacture

Pallet Treatments: ISPM-15 Compliance: Heat Treatment (HT) Conditioning: Kiln Dried - 19% EMC

Bottom View



Customer:

Prepared by:

MID CORK PALLETS & PACKAGING LTD

CLONDROHID

MACROOM

CO. CORK.

PDS License: 210 Printed: July 19, 2024

PALLET DESIGN SYSTEM Version 6.8

3-D Pallet Drawings

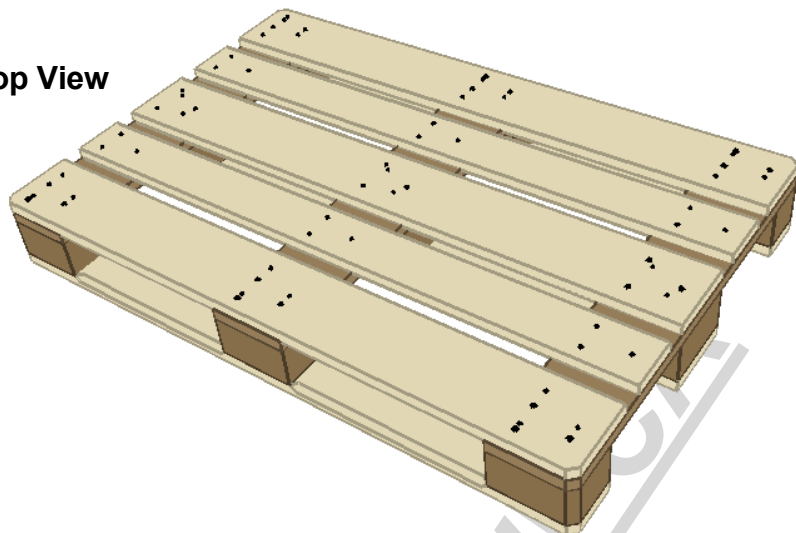
All dimensions in millimeters

Pallet ID: 1200 X 800mm , Euro 1

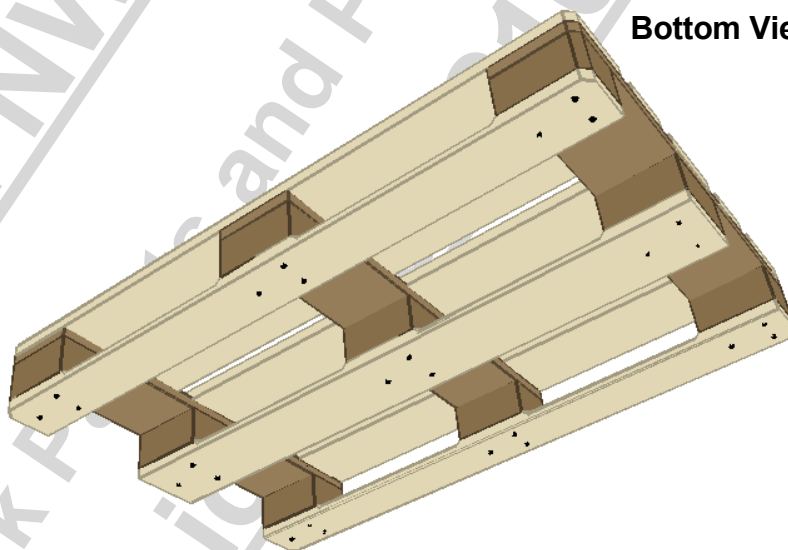
Classification: 800 x 1200, Block-Class, Double-Face Non-Reversible, Full 4-Way, Reusable, New Manufacture

Pallet Treatments: ISPM-15 Compliance: Heat Treatment (HT) Conditioning: Kiln Dried - 19% EMC

Top View



Bottom View



All output generated from the PDS software (including without limitation the designs, drawings, plans, specification sheets, data, analyses, information, materials or other output produced by or with the assistance of the Software (PDS Output) are protected by copyright and other intellectual property laws and cannot be reproduced without the prior written consent of NWPCA. Lessee may provide a copy of the Output, which must bear the Lessee's watermark, to its manufacturer for the sole purpose of manufacturing the pallet for Lessee to sell or to its direct pallet customer for the sole purpose of selling pallets to that customer.

Customer:

Prepared by:

MID CORK PALLETS & PACKAGING LTD
CLONDROHID
MACROOM
CO. CORK.

PDS License: 210 Printed: July 19, 2024

PALLET DESIGN SYSTEM Version 6.8

Carbon Impact Declaration



Qualifications

The impacts presented in this report are developed directly from life-cycle assessment data(1) and the associated Environment Product Declaration on Wooden Pallets that were verified by UL in accordance with ISO 14025, 14040, and 14044.

Applicability

The results represent an industry average 48x40 footprint and are tabulated on a per pallet basis and assuming one repair. Actual impacts may vary based on wood species, pallet design, actual number of repairs, and manufacturer business practices.

Carbon Footprint

Basis	1 Pallet	550 Pallets
	(kg of CO2)	(kg of CO2)
Carbon Impact(2)	4.88	2,684
Carbon Impact(3) with Potential Offsets	-0.51	-280
Stored Carbon(4)	-37.26	-20,493
Impacts Breakdown:	(kg of CO2)	(kg of CO2)
Carbon Impact for a New Pallet(5):	4.51	2,481
Carbon Impact from Pallet Repair(6):	0.37	204
Benefits Breakdown:	(kg of CO2)	(kg of CO2)
Coproduct Thermal Recovery (Boiler):	-1.28	-704
End-of-Life Thermal Recovery (Boiler):	-3.33	-1,832
Boards Reused for Remanufactured Pallets:	-0.76	-418
Steel Fastener Recycled:	-0.02	-11
Equivalencies(7):	(gallons of gas)	(cars per year)
Carbon Impact:	0.60	0.60
Carbon Impact with Potential Offsets:	-0.03	-0.03
Stored Carbon	-4.20	-4.40

References

- (1) Alanya-Rosenbaum, Sevda; Bergman, Richard D. 2020. Cradle-to-grave life-cycle assessment of wooden pallet production in the United States. Res. Pap. FPL-RP-707. Madison, WI: U.S. Department of Agriculture, Forest Service, Forest Products Laboratory. 82 p. <https://www.fs.usda.gov/treearch/pubs/61866>
- (2) Sum of carbon impact required for manufacturing and one repair
- (3) Sum of carbon impact and offsets determined from GWP in Table 11 in Module D of the Wooden Pallet EPD
- (4) Determined from Biogenic Removal from Product (BCRP) in Table 9 of the Wooden Pallet EPD.
- (5) Determined by summing GW impacts from Product Stage (A) in Table 6 of the Wooden Pallet EPD.
- (6) Determined from GW impacts from Use Stage (B) in Table 6 of the Wooden Pallet EPD.
- (7) One gallon of gasoline is equal to 8.887 kg of CO₂, estimated fuel economy of 22 miles per gallon, and 11,500 miles driven per year. Environmental Protection Agency (EPA) document EPA-420-F-18-008.

All determinations are made by converting the functional unit of 100,000 lbs. of pallet load to a per pallet basis. The reported values in the EPD are divided by industry average number of pallets required to transport 100,000 lbs. of product, as reported in Table 4.