

ENVIRONMENTAL PRODUCT DECLARATION (EPD)

ACCORDING TO ISO 14025 & 15804+A2
PRODUCT: TRAIN BENCH 4115/180/75/120

casala

Environmental Product Declaration (EPD)

An Environmental Product Declaration (EPD) is a Type III environmental declaration that quantifies environmental information about the life cycle of a product. This can enable comparisons between products fulfilling the same function. The methodology to produce an EPD is based on the full product life cycle assessment (LCA), following the ISO 14040 series of standards.

TRAIN BENCH 4115/180/75/120

Its name reveals the inspiration for this modular seating programme. With its variation in width and height, Train Bench can be assembled to everyone's wishes. The use of low and high backrests, whether or not combined, gives every public and open office space a playful and accessible character. Thanks to its active sitting position, Train Bench can easily be used for a variety of events such as dining, meetings, waiting and getting together.



The production facility and almost all 3rd parties are ISO 9001 & 14001 certified.

Variant	Single element 4115/180/75/120
Base	Wooden base
Finish	Upholstered
Technical life span	15 years
Dimensions (HxLxW)	120 x 75 x 180 cm
Weight	58.9 kg

GLOBAL WARMING POTENTIAL

To quantify and compare results, we use the Global Warming Potential (GWP) expressed in kg CO₂-equivalent. This is a measurement method for finding out the amount of energy required to emit 1 tonne of a gas, which is absorbed over a 100-year period. The greater the GWP, the more a particular gas warms the earth.

To comply with EN ISO 15804+A2, Casala uses the 'cradle to grave' assessment for their EPD files. The assessment covers the full life cycle of a product; from production phase to use, followed by recycling or disposal. Other EPD files often only use the 'cradle to gate' assessment, which only covers the production phase.

GWP per unit (Cradle to Grave)	141.892 kg CO ₂ eq.
GWP per unit (Cradle to Gate)	59.554 kg CO ₂ eq.
Average GWP for upholstered sofas according to the Furniture Industry Research Association (Cradle to Gate)	90.000 kg CO ₂ eq.

THE ASSUMED PERCENTAGE OF WASTE PROCESSING

Landfill	7.79 %
Incineration	88.74 %
Recycling	3.47 %
Re-use	0.00 %

DOCUMENT INFORMATION

Calculation number	ReTHiNK-123985
Declaration owner	Casala
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LCA software	NIBE - R<THiNK LCA
Status	Valid

