

# ENVIRONMENTAL PRODUCT DECLARATION (EPD)

ACCORDING TO ISO 14025 & 15804+A2

PRODUCT: DINER 4225/112

**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.

## DINER 4225/112

Diner is a simple sleekly designed sofa, ideal for waiting areas, catering establishments, receptions, company restaurants and canteens. Diner is available as 2, 2.5, 3 and 3.5 seater with a maximum width of 210 cm. Diner can be placed in a variety of ways within a space: tightly between two walls or panels for a compact seating area, back-to-back as a train bench or as a stand-alone object. Diner is available in a low and high variant.



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

Variant	3-seater, high, fully upholstered
Base	Steel base
Finish	Upholstered
Technical life span	15 years
Dimensions (HxLxW)	112 x 74 x 180 cm
Weight	41.2 kg

## GLOBAL WARMING POTENTIAL

To quantify and compare results, we use the Global Warming Potential (GWP) expressed in kg CO<sub>2</sub>-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)	92.261 kg CO <sub>2</sub> eq.
GWP per unit (Cradle to Gate)	63.698 kg CO <sub>2</sub> eq.
Average GWP for upholstered sofas according to the Furniture Industry Research Association (Cradle to Gate)	90.000 kg CO <sub>2</sub> eq.

## THE ASSUMED PERCENTAGE OF WASTE PROCESSING

Landfill	5.86 %
Incineration	64.07 %
Recycling	26.46 %
Re-use	3.61 %

## DOCUMENT INFORMATION

Calculation number	ReTHiNK-139483
Declaration owner	Casala
Publisher	Casala
Program operator	Casaro
LCA software	NIBE - R<THiNK LCA
Status	Valid

