

ENVIRONMENTAL PRODUCT DECLARATION (EPD)

ACCORDING TO ISO 14025 & 15804+A2

PRODUCT: CAPSULE 4255/17

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.

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The form and function of Capsule is inspired by a cocoon that guarantees security, comfort and innovation. Kateryna Sokolova designed Capsule to offer a stylish solution to the increasing need for concentration and privacy in office environments. In large office spaces Capsule is a stylish object that creates privacy without being completely cut off from the surroundings. Here it is possible, for example, to make phone calls or to read without being disturbed. An additional advantage is that Capsule absorbs ambient noise, which benefits the acoustics in the space.



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

Variant	1-seater
Base	Wooden base
Finish	Upholstered
Technical life span	15 years
Dimensions (HxLxW)	170 x 78 x 100 cm
Weight	47.7 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)	200.764 kg CO ₂ eq.
GWP per unit (Cradle to Gate)	146.662 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	10.98 %
Incineration	73.35 %
Recycling	14.30 %
Re-use	1.37 %

DOCUMENT INFORMATION

Calculation number	ReTHiNK-127121
Declaration owner	Casala
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Program operator	Casaro
LCA software	NIBE - R<THiNK LCA
Status	Valid

