

# ENVIRONMENTAL PRODUCT DECLARATION (EPD)

ACCORDING TO ISO 14025 & 15804+A2

PRODUCT: METRO II 8510/D11

**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.

## METRO II 8510/D11

Metro is a modular table programme with unlimited possibilities in terms of shape and size. The T-, X- or Y-shaped profiles can be linked in many ways, creating an entirely individual Metro network. Metro's frame can carry a large weight with ease and offers ultimate stability to determine the shape, size and materials of the table itself. The Metro table is available in standard, counter and bar height.

Casala's production facility has a solar park which produced 4.5t Kwh in 2023. The remaining energy needed is produced by European Wind as stated by the supplier. The production facility and almost all 3<sup>rd</sup> parties are ISO 9001 & 14001 certified.



Variant	27 mm HPL chipboard, 320 x 100 cm, double wood/leg steel
Base	Welded steel chassis
Finish	Powder coating
Technical life span	15 years
Dimensions (HxLxW)	75 x 320 x 100 cm
Weight	97.4 kg
Packaging weight	0.4 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)	98.613 kg CO <sub>2</sub> eq.
GWP per unit (Cradle to Gate)	38.312 kg CO <sub>2</sub> eq.
Average GWP for rectangular desk 160 x 180 cm according to the Furniture Industry Research Association (Cradle to Gate)	35.000 kg CO <sub>2</sub> eq.

## THE ASSUMED PERCENTAGE OF WASTE PROCESSING

Landfill	3.88 %
Incineration	67.41 %
Recycling	25.66 %
Re-use	3.05 %

## DOCUMENT INFORMATION

Calculation number	ReTHiNK-89957
Declaration owner	Casala
Publisher	Casala
Program operator	Casaro
LCA software	NIBE - R<THiNK LCA
Status	Valid

