Footprint ecosheet

**TVM 4610 Series Tilt TV Wall Mount**

Transparency is important to us at Vogel's. That is why we provide insight into the climate impact of this product through this footprint ecosheet. The data is based on a Life Cycle Assessment (LCA) and provides an indication of the product's impact throughout its life cycle. We continue to explore opportunities to reduce the environmental impact where possible of our products and processes, for example by limiting the number of production steps or components. The results are expressed as Global Warming Potential (GWP). This is a measure of the contribution to climate change and is expressed in kilograms of $CO_2$ equivalent (kg $CO_2$eq).

**97%**

of this product is

**RECYCLABLE**

**7,6 kg $CO_2$ eq.**

compares to

**23 km**

of car driving

To explain the GWP in a comprehensible manner, we compared it to car driving. For the average European car driving 3,03 km equals 1 kg CO2 eq. (source: Ecoinvent 3.8).

Database: Ecoinvent 3.8

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# Product footprint summary of TVM 4610 Series Tilt TV Wall Mount

Footprint ecosheet

## Manufacturing & materials

We minimize material use and use the impacts values as input for design decisions.

All impact related to manufacturing the product, including the extraction of raw materials, are included. Plastic components all have material marking for recycling.

**8,65** kg $CO_2$ eq.

## Transport

The transport from the production site to our European warehouse is fully included in the calculation.

The transport from our European warehouse to the user is calculated according to the calculation rules of the "Product Environmental Footprint Method", which was developed by the European Commission.

**0,78** kg $CO_2$ eq.

## Installation & use

We display the average energy use of power tools during installation. For our electrical products, we show the total energy use in the average total lifespan. Power usage of electrical devices attached to our products are not included in this footprint.

**0,03** kg $CO_2$ eq.

## End of life

Our product is prepared for standard recycling loops such as paper and metal recycling. Negative values indicate high recycling rates and are considered savings on GWP for future re-use in any form.

**-1,90** kg $CO_2$ eq.

## Ecological impact

Total Product GWP

**7,6** Kg $CO_2$ eq

# Detailed product footprint of TVM 4610 Series Tilt TV Wall Mount

Footprint ecosheet

This footprint ecosheet provides detailed information of the environmental footprint of this specific product.
The calculated emissions have been converted to kg $CO_2$ equivalent.

## Manufacturing & materials

| | Steel | Aluminium | Plastics | Paper+cardboard | Wood | Other | Manufacturing |
|---|---|---|---|---|---|---|---|
| Weight in product | 1863g | - | 187g | 390g | - | - | - |
| % of tot. weight | 76,35% | - | 7,66% | 15,98% | - | - | - |
| kg $CO_2$ eq. | 5,03 | - | 1,22 | -0,01 | - | - | 2,41 |

## Transport

| | Factory to warehouse | Warehouse to customer |
|---|---|---|
| kg $CO_2$ eq. | 0,55 | 0,227 |

## Installation & Use

| | Installation | Use |
|---|---|---|
| kg $CO_2$ eq. | 0,031 | - |

## End of life*

| | Metals | Plastics | Packaging plastics | Paper & Cardboard | Other |
|---|---|---|---|---|---|
| kg $CO_2$ eq. | -2,54 | 0,09 | 0,01 | 0,54 | - |

*Impact based on average European recycling rates

| | Metals | Plastics | Paper & Cardboard | Other |
|---|---|---|---|---|
| Recycle | 95% | - | 70% | - |
| Incineration | - | 45% | 14% | - |
| Landfill | 5% | 55% | 16% | - |

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We use Life Cycle Assessment (LCA) software to fill in this footprint datasheet as accurately as possible. For our calculations we follow ISO 14021:2006 and ISO 14040:2006/14044:2006. Our calculation method has been verified externally. Documentation can be found on vogels.com/ecosheet