

## Product Environmental Profile

- An environmental declaration according to the objectives of ISO 14021.
- A precise, verifiable and accurate information of the environmental aspects of **node** during its life cycle.

PRODUCT  
ENVIRONMENTAL  
PROFILE

# PEP

### Product Description

**node** is a mobile and flexible chair specially designed for classroom purpose. It supports quick and easy transitions between room configurations and its design offers many clever options for students.

The model chosen for analysis is the most frequently ordered one (code: 480120) from the **node** range. Standard features on this model include:

- Tripod base collaborative chair
- 360° freely rotating and flexible seat shell
- Freely rotating work surface
- Fixed seat height
- Integrated armrests to support arms, side-sitting postures, and serve as a backpack hook.
- Soft dual-wheels



### Material Declaration

**node** consists of the materials listed below. The total weight is 16.5 kg including packaging.

metals	kg	%
Steel	2.49	15.1
Aluminium	1.40	8.5
Zamak	0.33	2.0

plastics	kg	%
PA6 (polyamide)	4.94	30.0
PP (polypropylene)	3.57	21.6
other	0.64	3.9
acetal	0.10	0.62
PE foam (polyethylene) for packaging	0.076	0.46
LDPE (low density polyethylene) for packaging	0.023	0.14

other materials	kg	%
Cardboard (for packaging)	2.92	17.7

### Manufacturer

**node** was designed by Steelcase and is assembled in Budakeszi, Hungary, by Innotec, exclusively for Steelcase for the EMEA (Europe, Middle East and Africa) market. **node** is also manufactured in Zeeland, Michigan (USA), by Ventura for the North American Market.

To show continuous improvements, Steelcase communicates the environmental performance of its products through voluntary environmental labels and declarations. Sustainability related actions and results are annually communicated in the annual Steelcase Corporate Responsibility report.

## Life Cycle Stages



### Materials

This stage includes raw materials extraction and transformation into material ready to be used.



### Production

This stage comprises all production and assembly processes taking place at Steelcase or at their suppliers and sub-suppliers.



### Transport

Transport from suppliers to the production site(s) and transport from the production site(s) to the EMEA market (Europe, Middle East and Africa) is considered.



### Use

During the use stage of the product - the longest stage of the life cycle - no relevant environmental impacts occur.



### End of life

Any product can be disposed of in different ways, or become a resource itself.

## Environmental performance

Environmental labels and declarations on the product and its materials.



This product is **Indoor Advantage Gold** certified in Europe, certifying compliance with the indoor air quality emission requirements defined by the ANSI/BIFMA M7.1-2007 standard.



This product was designed according to the **C2C** principles and complies with the **Cradle-to-Cradle** certification, delivered by MBDC for the North American market.



This product complies with the **level™ 2** and **level™ 1** certified to BIFMA e3 sustainability standard, for the North American market.

Actions for reducing the environmental impacts at each stage of the environmental life cycle.

### End of life

**node** is theoretically 95% recyclable by weight. According to the current waste disposal schemes, we assume that 75% can be effectively recycled.

The cardboard, PE foam and LDPE film used for packaging are 100 % recyclable.

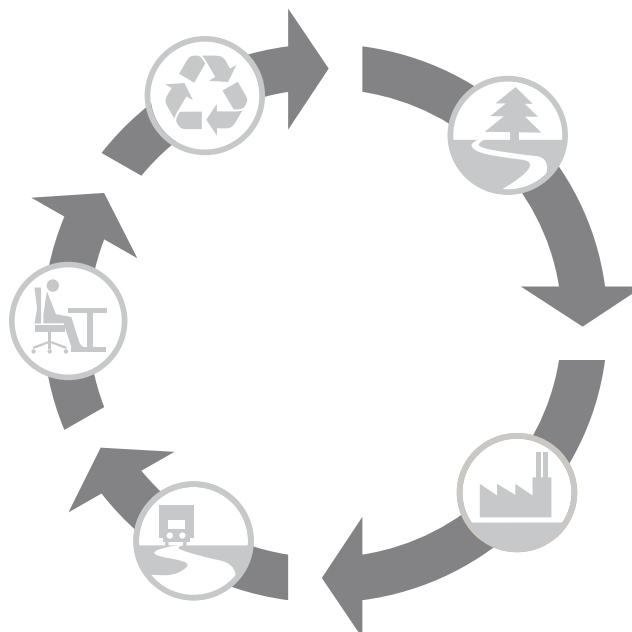
### Use

**node** was designed for a long product life, with replaceable parts.

Maintenance information is available in the Steelcase website.

### Transport

Delivered in 3 parts. Minimised packaging weight and volume help us improve filling rates and thus require less energy for shipping.



### Materials

**node** contains no PVC.

**node** contains 15 % recycled materials, by weight.

The packaging consists of 20-30% recycled cardboard, PE foam and LDPE film.

### Production

No gluing processes are used in assembly.