

PEP  
40/4 polyamide  
Product Environmental Profile



**HOWE**  
MOVING DESIGN  
SINCE 1928



# 40/4

## Simple, stackable, remarkable

David Rowland's award-winning 40/4 stackable chair is arguably one of the most important designs of the 20th century. The 40/4 chair is featured in design collections and museums the world over, in recognition of its elegant lines, excellent ergonomics, unsurpassed stacking and handling, as well as space-saving advantages for flexible interiors. With over eight million sold since its inception in 1964, the 40/4 stackable chair is an indisputable icon of multifunctional design, which continues to attract architects and designers who are amazed by its ability to create space – without taking up space.

## Features

Learn more about HOWE and our Moving Sustainability initiatives here: <https://www.howe.com/moving-sustainability>

### Suppliers

HOWE works closely together with our suppliers to continuously reduce our products' impact on the environment. HOWE is thus setting high environmental demands for both HOWE and our suppliers to comply with.

### Environmental Product Declaration ISO 14025 (EPD)

Through a thorough Life Cycle Assessment, the 40/4 chair's performance is summarized in a LEEDv4® and BREEAM® compliant EPD.

### Global GreenTag<sup>Cert™</sup>

The 40/4 polyamide is Global GreenTag<sup>Cert™</sup> certified and has achieved GreenRate Level A and LCARate Gold.

### Health Product Declaration (HPD)

The 40/4 is covered by an HPD - the prevailing standard for accurate, reliable and consistent reporting of product contents and associated health information – The HPD is harmonized with a.o. Cradle-to-Cradle, BIFMA, LEED, and WELL certificates.

### VOC emission

The 40/4 polyamide is tested for emission of VOCs according to the ANSI/BIFMA M7.1-2011 and emits below the limit values of ANSI/BIFMA X7.1-2011. As such, the 40/4 polyamide contributes to a healthy indoor climate.

### Trivalent chrome plating

The standard chrome plating on 40/4 is trivalent chrome. Trivalent chromium is a more environmentally sound plating than the commonly used hexavalent chromium. When plating with trivalent chromium less chemicals are needed and certain health risks are avoided during manufacturing.



### Resin identification

The plastic components of 40/4 are marked with ASTM (ISO 11469) resin identification codes whenever possible in order to facilitate correct sorting of components for recycling.

### Design for Disassembly

It is a fact that products assembled with complex assemblies or requiring multiple tools are not likely to be repaired or recycled. Therefore, 40/4 is cleverly designed to be easily disassembled by the use of a few handtools only.

### A sustainable frame

The steel frame contains a minimum of 40% recycled content. The frame is 100% recyclable.

### Sustainable packaging

The packaging material used includes 94% cardboard and 6% polyethylene. This means that the packaging is 100% recyclable. The cardboard is FSC® or SFI certified and produced from up to 25% recycled material.

Did you know that...

- 40/4 is 100% recyclable at the end of the product's life?
- 40/4 polyamide contains no PVC, which goes for all HOWE products?
- 40/4 is a low VOC emitting product?
- 40/4 is space-saving and thus resource saving both during transport and use?
- 40/4 is a combination of timeless and durable design?
- 40/4 is cost efficient and replacements of components are easily manageable?
- 40/4 is easy to disassemble for recycling?
- 40/4 has a 10-year warranty?

