

# **Product Description**

Manifesto was designed with changing work styles, work life balance and work place density changing the ways that office furniture and storage is used. Its features make space below water line, it uses the vertical spaces, the modularity of the system makes the workspace more flexible and personal by promoting interaction all in one Smart System.



## **Material Declaration**

| kg     | %                       |
|--------|-------------------------|
|        |                         |
| 179.03 | 43.2%                   |
| 40.41  | 9.8%                    |
| 2.82   | 0.7%                    |
| 0.27   | 0.1%                    |
|        | 179.03<br>40.41<br>2.82 |

|     | 0    |      |
|-----|------|------|
|     |      |      |
| PP  | 3.79 | 0.9% |
| PET | 6.84 | 1.7% |
| ABS | 1.35 | 0.3% |
| PA6 | 2.24 | 0.5% |
| TPE | 1.02 | 0.2% |
|     |      |      |

| Others           | kg     | %    |
|------------------|--------|------|
|                  |        |      |
| Particle Board   | 173.98 | 42%  |
| Fabric           | 0.32   | 0.1% |
| Corrugated Board | 2.40   | 0.6% |
|                  |        |      |

# **Manufacturing Information**

The selected product Manifesto System is manufactured in Steelcase Manufacturing Malaysia in Puchong (Malaysia)

Steelcase, which was founded in 1912, has been dedicated to creating innovative products and helping people work more effectively for almost a century. Steelcase has management systems for Quality (ISO 9001) and for the Environment (ISO 14001), ensuring that our customers are guaranteed the same level of product quality and environmental performance, wherever they are in the world. Steelcase is committed to continually reducing the environmental impacts of its products and activities on a global scale. For further information visit www.steelcase.asia



# Life cycle stages



#### Materials

The 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 suppliers.



### Transport

Transport from suppliers to the production site and transport from the production site to Asia Pacific markets is considered.



#### Use

No relevant environmental exchanges occur during use of the product.



#### End of life

Any product can be disposed in different ways and also base on the availabilities of recycle center at the particular market. Steelcase product used high recycle content materials and is also recyclable as to sustain the environment together.

## **Recycle Content Calculation**

|                                   | Weight (Kg) | Percentage (%) |
|-----------------------------------|-------------|----------------|
| Recycled Content (%)              | 270.54      | 65%            |
| Post Consumer Recycle Content (%) | 118.16      | 29%            |
| Pre Consumer Recycle Content (%)  | 152.38      | 37%            |
| Recyclable Content (%)            | 238.08      | 57%            |
| Total Weight                      | 414.46      | -              |

### **Certified Result**

| -                   | -              |            |
|---------------------|----------------|------------|
| Chemical Group      | Criteria       | Acceptance |
| TVOC Toluene        | ≤0.25 mg/m³    | Pass       |
| Formaldehyde        | ≤25ppb         | Pass       |
| Total Aldehyde      | ≤50ppb         | Pass       |
| 4-Phenylcyclohexene | ≤0.00325 mg/m³ | Pass       |





- Manifesto system is up to 57% recyclable by weight.
- Cardboard and LDPE plastic film used for packaging are 100% recyclable.



- Manifesto system is designed for long product life cycle.
- Manifesto system has passed the ANSI/BIFMA M7.1/X7.1 indoor air quality standards.



- Manifesto System weighs 414.46 kg.
- Manifesto System contains up to 66% recycled materials.
- Manifesto System is PVC free.
- Manifesto System is made with minimum number of components and different materials.

## Transportation

- Minimized packaging volume also helps to improve filling rates and thus requires less energy for shipping.
- · Indirectly reduces the amount of carbon footprint



- Manifesto System was designed to be made with minimal waste, energy consumption and environmental impact.
- Manifesto System is manufactured at our Puchong, Malaysia plant certified with ISO 9001 and ISO 14001.
- Powder coat painting is virtually VOC free and heavy metals free.
- The system is designed for easy disassembly.

#### Manifesto System Rev02

### Disclaimer :

Numbers may vary based on model and options selected. Calculations of recycled content are based on data provided by suppliers and other available information. This data may include industry averages, ranges or other broadly based information. Steelcase makes conservative assumptions when compiling this information to provide the most accurate recycled content calculations possible but variability in market conditions or manufacturing processes may result in higher or lower content. This document may be subject to review and update from time to time without notice.