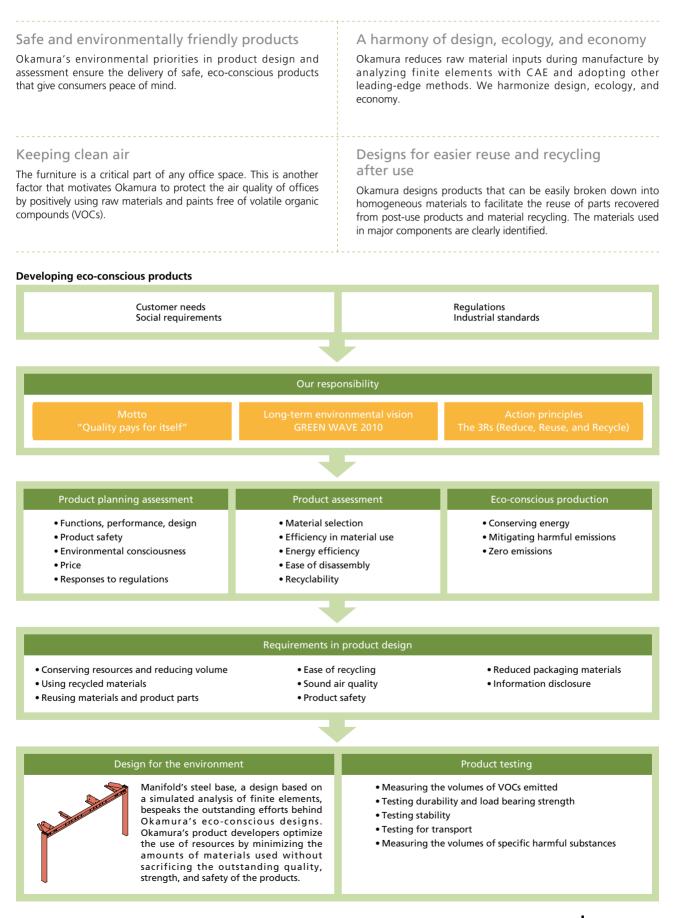
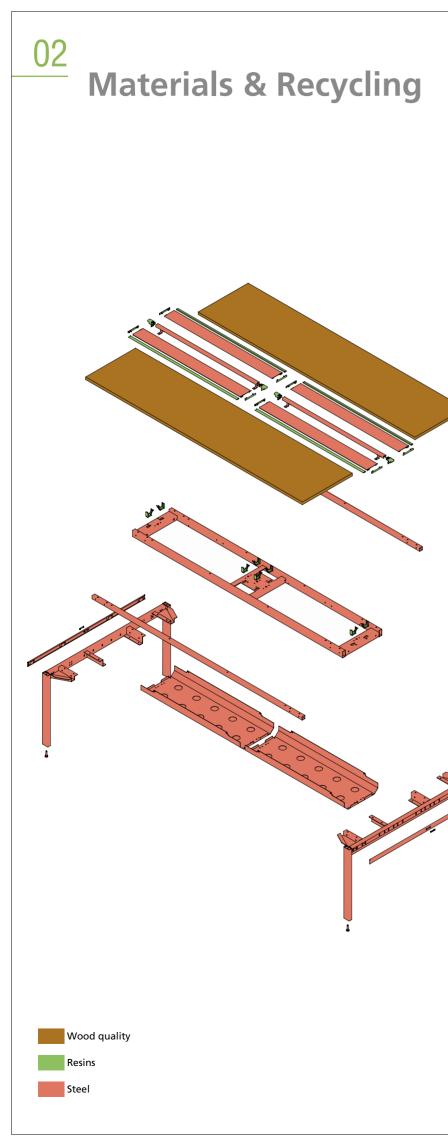


Environmental Data Sheet

Eco-Conscious Products





Total control of every material used

Okamura collects thorough information on the materials, surface finishing methods, and other aspects of the parts used in its products, from the main components of its office equipment to individual screws. Detailed data on materials are provided upon request.

Recycled materials: 4 %

Recycled materials are used in aluminum and wood quality parts. These materials make up about 47% by product weight.

Recyclability:

With future recyclability firmly in mind during the design stage, we use homogeneous materials as much as possible. After use, our products can be collected and disassembled into homogeneous materials.

Wood

In deference to the ecology of the earth's forests, Okamura does not use wood from illegally felled trees. We efficiently make use of wood only from properly managed forests. We have stipulated a wood-use policy that promotes the preservation and sustainment of the diversity of life on our planet, and are actively involved in expanding the use of sustainably harvested wood and wood from certified forests.



Steel

Steelmakers use recovered steel to produce new steel. Steelmaking with recovered steel consumes 75% less energy than steelmaking from iron ore.



Indicating materials Okamura indicates the materials used to facilitate recycling after use.

Reducing Chemicals

GREENGUARD certificated

GREENGUARD is an indoor environment air quality standards used to certify products with low chemical emissions for the protection of interior environments. Certification is granted only to products that pass the pollutant emissions testing conducted in process-controlled dynamic environmental chambers following test protocols developed by Air Quality Sciences, Inc. The test protocols comply with ASTM, U.S. EPA, LEED, and BIFMA standards and requirements. Manifold received GREENGUARD certification in March 2013.

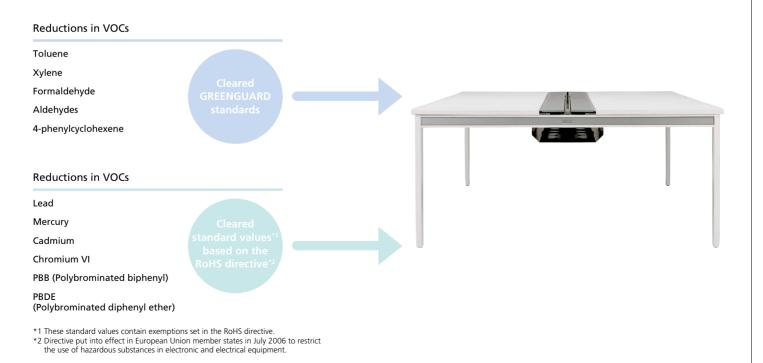
Reducing VOCs to safeguard health

Okamura minimizes the use of formaldehyde, toluene, xylene, and other VOCs, which can result in sick building syndrome and allergic dermatitis. To cite just one example, the snugly fitting backrest meshes of Manifold were accomplished using an original design requiring a minimal amount of adhesive. Environmental load can be reduced while achieving outstanding comfort and strength.



Minimizing environmental load

Amid calls to limit the use of the earth's resources, the reuse and recycling of post-use products are now a global agenda. To ensure safe and sure progress in recycling, manufacturers must limit the use of substances with environmental loads. The latest round of enhancements in the regulatory framework started with the European Parliament's Restriction of Hazardous Substances (RoHS) directive. Though office furniture is not currently included among the targets of this regime, Okamura is working to reduce substances with environmental impacts in response to customer demand and in anticipation of future legislation.



GREENGUARD

Emission Types

Individual VOCs

Formaldehyde

Total VOCs

Total aldehydes

4-phenylcyclohexene

GREENGUARD Emission Criteria

Measure

<0.1TLV

<0.0033mg/m3

<0.25mg/m3

<0.05ppm

<0.025ppm (<0.03mg/m3)

04

LEED Credit Summary

| Program | Category | ltem | | Contribution | Point of contribution |
|--|------------------------------------|---------|--|--|-----------------------|
| LEED 2009 for Commercial Interiors | Materials & Resources | MR 3.2 | Resource Reuse | This product(Manifold) is designed to be refurbished and easy replacement. And it can be used any longer by having proper maintenance. Product can contribute to this point by reusing. In Japan, Okamura has a service network by its subsidiary, Okamura Support and Service. | 1 |
| | | MR 4 | Recycled content | 46.5%(1/2Pre-Consumer:0%, Post-Consumer:46.5%) | 1-2 |
| | | MR 5 | Regional materials | Assembled in Samutprakarn,Thailand. | 1-2 |
| | Indoor Environmental Quality | IEQ 8.1 | Daylight and Views-Daylight | A part of low partition items to help achieve these points (depending on the height). | 1-2 |
| | | IEQ 8.2 | Daylight and Views-Views for Seated Spaces | A part of low partition items to help achieve this point (depending on the height). | 1 |
| LEED 2009 for New Construc- tion and Major Renovations | Materials & Resources | MR 3 | Material Reuse | This product(Manifold) is designed to be refurbished and easy replacement. And it can be used any longer by having proper maintenance. Product can contribute to this point by reusing. In Japan, Okamura has a service network by its subsidiary, Okamura Support and Service. | 1-2 |
| | | MR 4 | Recycled content | 46.5%(1/2Pre-Consumer:0%, Post-Consumer:46.5%) | 1-2 |
| | Indoor Environmental Quality | IEQ 8.1 | Daylight and Views-Daylight | A part of low partition items to help achieve this point (depending on the height). | 1 |
| | | IEQ 8.2 | Daylight and Views-Views for Seated Spaces | A part of low partition items to help achieve this point (depending on the height). | 1 |
| LEED 2009 for Existing Buildings, Operations and Maintenance | Materials & Resources | MR 1 | Sustainable Purchasing-Ongoing Consumables | 46.5%(1/2Pre-Consumer:0%, Post-Consumer:46.5%) | 1 |
| | | MR 2 | Sustainable Purchasing-Durable Goods | | 1-2 |
| | | IEQ 2.4 | Daylight and Views | A part of low partition items to help achieve this point (depending on the height). | 1 |

