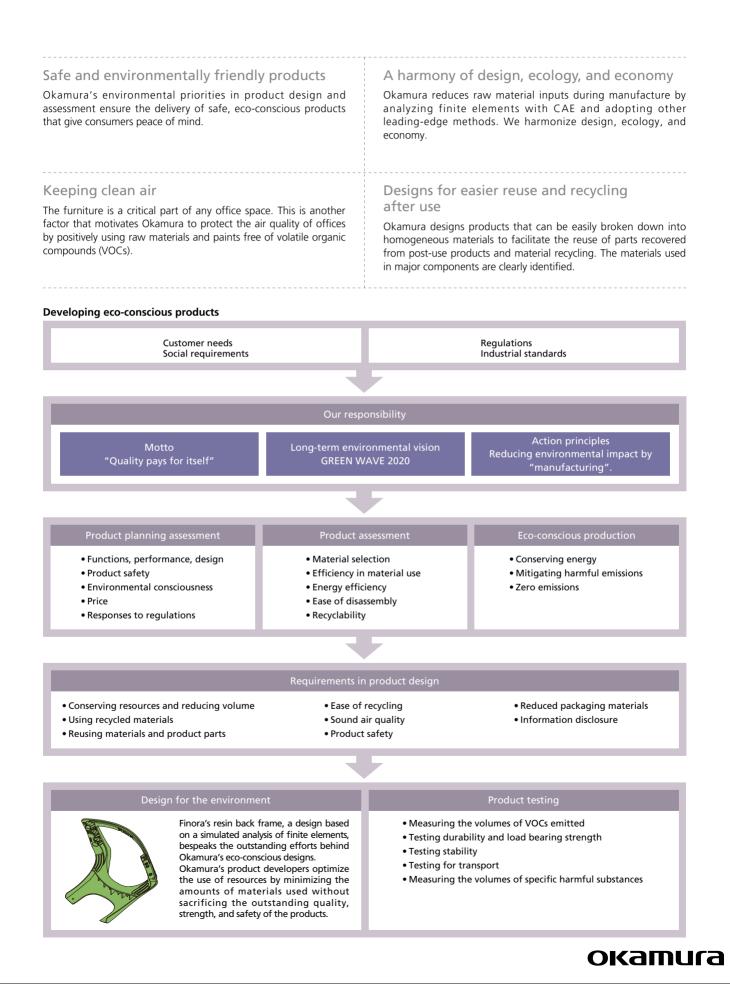




Environmental Data Sheet



Eco-Conscious Products



Steel

Materials & Recycling



Total control of every material used

Finora

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: **30**, **/**%

Recycled materials are used in plastic, aluminum and steel parts. These materials make up about 30.7% by product weight.

Recyclability: **99.8**%

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.

Resins

Polypropylene resins is used to ensure recycling in the future. Resins recovered after use are reprocessed and reused by resin manufactures. Okamura is an active user of recycled resins for its products.



Aluminum

Recovered aluminum is processed into a recycled form by alloy manufacturers and later into aluminum. Energy consumption can be reduced by 97% by generating recycled metal from recovered aluminum rather than creating aluminum from its source material bauxite.



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.

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. Environmental load can be reduced while achieving outstanding comfort and strength.



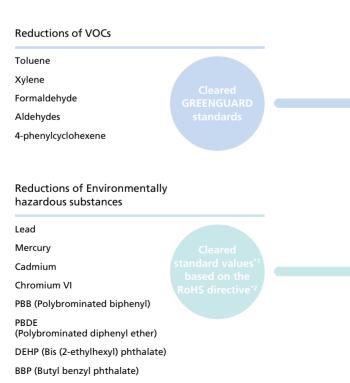
PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS: UL.COM/GG UL 2818

GREENGUARD Emission Criteria

| Emission Types | Measure |
|--------------------------|---------------------------------------|
| Individual VOCs | ≦0.01TLV ≦0.5CREL |
| Formaldehyde | ≦0.00367ppm(0.0045mg/m ³) |
| 4-PCH | ≦ 0.0033mg/m³ |
| TVOC | ≦ 0.22mg/m³ |
| Total Aldehydes | ≦ 0.043ppm |
| 1-Methyl-2-Pyrrolidinine | ≦ 0.08mg/m³ |

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.



DBP (Dibutyl phthalate)

DIBP (Diisobutyl phthalate)

 *1 These standard values contain exemptions set in the RoHS directive.
*2 Directive put into effect in European Union member states in July 2006 to restrict the use of hazardous substances in electronic and electrical equipment.



| 04 | LEED | v4 Cı | redit Summa | ary | Finora |
|----|--|---|---|--|--------|
| | Program Interior Design | Category Materials & | Item | Contribution | |
| | and Construction (ID+C) | Resources (MR) | Interiors Life-Cycle Impact Reduction (1-4 points) | Option 2: Furniture Reuse : Okamura products are long-lasting and durable. Can be reuseback. | |
| | | Materials & Resources (MR) | Building Product Disclosure & Optimization- Sourcing of Raw Materials (1-2 points) | 30.7% (1/2 Pre-Consumer: 4.6%, Post-Consumer: 28.4%) | |
| | | Indoor Environmental Quality (EQ) | Low-Emitting Materials (1-3 points) | Okamura has Greenguard certificated products. | |
| | Building Design and Construction (BD+C) | Materials & Resources (MR) | Building Product Disclosure & Optimization- Sourcing of Raw Materials (1-2 points) | 30.7% (1/2 Pre-Consumer: 4.6%, Post-Consumer: 28.4%) | |
| | | Indoor Environmental Quality (EQ) | Low-Emitting Materials (1-3 points) | Okamura has Greenguard certificated products. | |
| | Building Operations and Maintenance (O+M) | Materials & Resources (MR) | Purchasing-Facility Maintenance and Renovation (1 point) | 30.7% (1/2 Pre-Consumer: 4.6%, Post-Consumer: 28.4%) | |
| | | | | | |

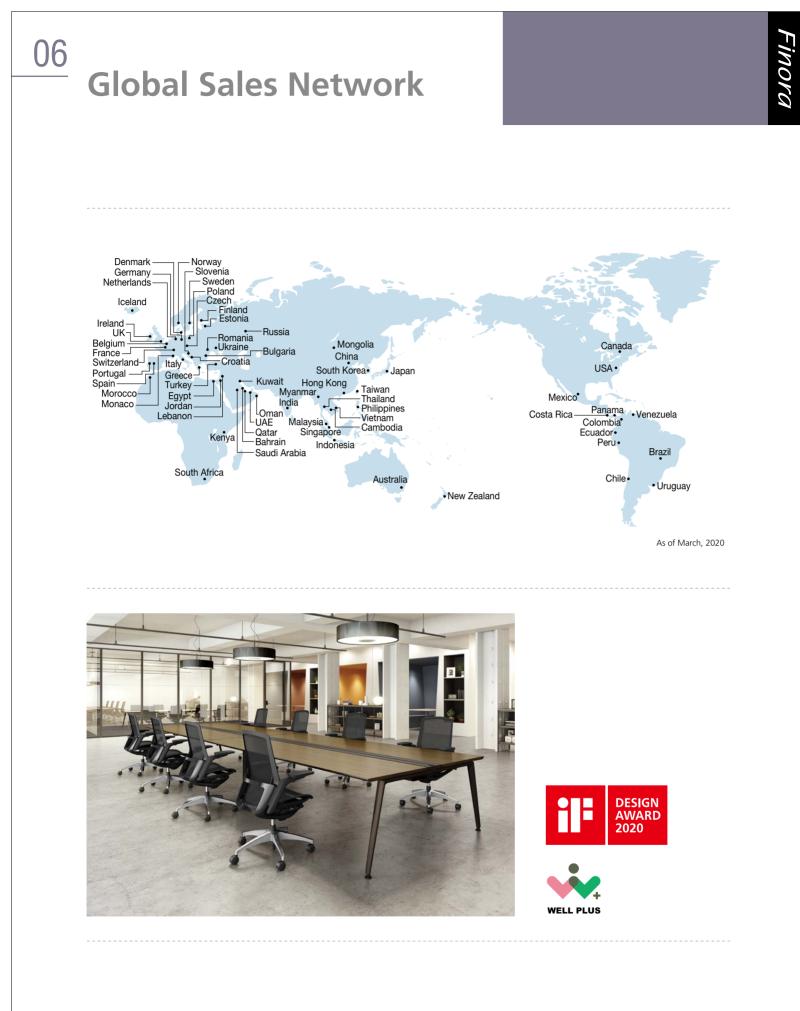
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LEED 2009 Credit Summary

05

| Program | Category | | ltem | Contribution | Point of contribution |
|--|--------------------------------------|---------|--|---|-----------------------|
| LEED 2009 for Commercial Interiors | Materials & Resources | MR 3.2 | Materials Reuse Furniture and Furnishings | This product 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. | 1 |
| | | MR 4 | Recycled Content | 30.7% (1/2 Pre-Consumer: 4.6%, Post-Consumer: 28.4%) | 1-2 |
| | | MR 5 | Regional Materials | Assembled in Yokosuka city, Kanagawa, Japan. Please contact us in case of the delivery outside of Japan. | 1-2 |
| | Indoor Environmental Quality | IEQ 4.5 | Low emitting materials, System Furniture and Seating | Greenguard certified | 1 |
| | Innovation & Design | ID 1 | Innovation in Design | High percentage of recycled content. | 1-5 |
| LEED 2009 for New Construction and Major Renovations | Materials & Resources | MR 3 | Material Reuse | This product 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. | 1-2 |
| | | MR 4 | Recycled Content | 30.7% (1/2 Pre-Consumer: 4.6%, Post-Consumer: 28.4%) | 1-2 |
| | Innovation & Design | ID 1 | Innovation in design | Greenguard certified | 1-5 |
| LEED 2009 for Existing Buildings, Operations and Maintenance | sting Resources Igs, tions and | MR 1 | Sustainable Purchasing –Ongoing Consumables | 30.7% (1/2 Pre-Consumer: 4.6%, Post-Consumer: 28.4%) | 1 |
| | | MR 2 | Sustainable Purchasing –Durable Goods | | 1-2 |





Visit the Okamura website for the latest updates on Okamura products. www.okamura.com

