

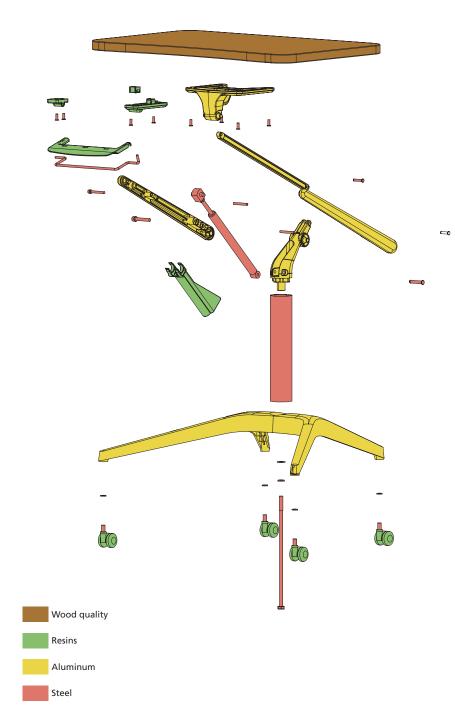
Environmental Data Sheet

01

Eco-Conscious Products

Safe and environmentally friendly	/ products	A harmony of design, ecology, and economy		
Dkamura's environmental priorities in proc assess-ment ensure the delivery of safe, eco-co hat give consumers peace of mind.		Okamura reduces raw material inputs during manufacture b analyzing finite elements with CAE and adopting othe leading-edge methods. We harmonize design, ecology, an economy.		
Keeping clean air		Designs for e	easier reuse and recycling	
The furniture is a critical part of any office space factor that motivates Okamura to protect the ai by positively using raw materials and paints free compounds (VOCs).	r quality of offices	after use Okamura designs products that can be easily broken down into homogeneous materials to facilitate the reuse of parts recovered from post-use products and material recycling. The materials used in major components are clearly identified.		
Developing eco-conscious products				
Customer needs Social requirements		Regulations Industrial standards		
		-		
	Our respo	onsibility		
Motto "Quality pays for itself"	Long-term environmental vision GREEN WAVE 2010		Action principles The 3Rs (Reduce, Reuse, and Recycle)	
		-		
Product planning assessment	Product as	ssessment	Eco-conscious production	
 Functions, performance, design Product safety Environmental consciousness Price Responses to regulations 	 Material sel Efficiency in Energy effic Ease of disa Recyclability 	n material use ciency ssembly	 Conserving energy Mitigating harmful emissions Zero emissions 	
		-		
	Requirements ir	n product design		
 Conserving resources and reducing volume Using recycled materials Reusing materials and product parts 		f recycling air quality ct safety	 Reduced packaging materials Information disclosure 	
Design for the environment	nt		Product testing	
based on a simula	um base, a design ated analysis of finite aks the outstanding amura's eco-conscious	 Measuring the volumes of VOCs emitted Testing durability and load bearing strength Testing stability Testing for transport Measuring the volumes of specific harmful substances 		

Materials & Recycling



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: 85%

Recycled materials are used in aluminum and wood quality parts. These materials make up about 83% by product weight.

Recyclability:

47%

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.



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

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 and seat meshes of Risefit were accomplished using an original design requiring a minimal amount of adhesive. Environmental load can be reduced while achieving outstanding comfort and strength.

Reductions in VOCs

Toluene Xylene Formaldehyde Aldehydes 4-phenylcyclohexene

Minimizing environmental load

Amid calls to limit the use of the earth's resources, the reuse and recycling of post-use products are now global agendas. 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.



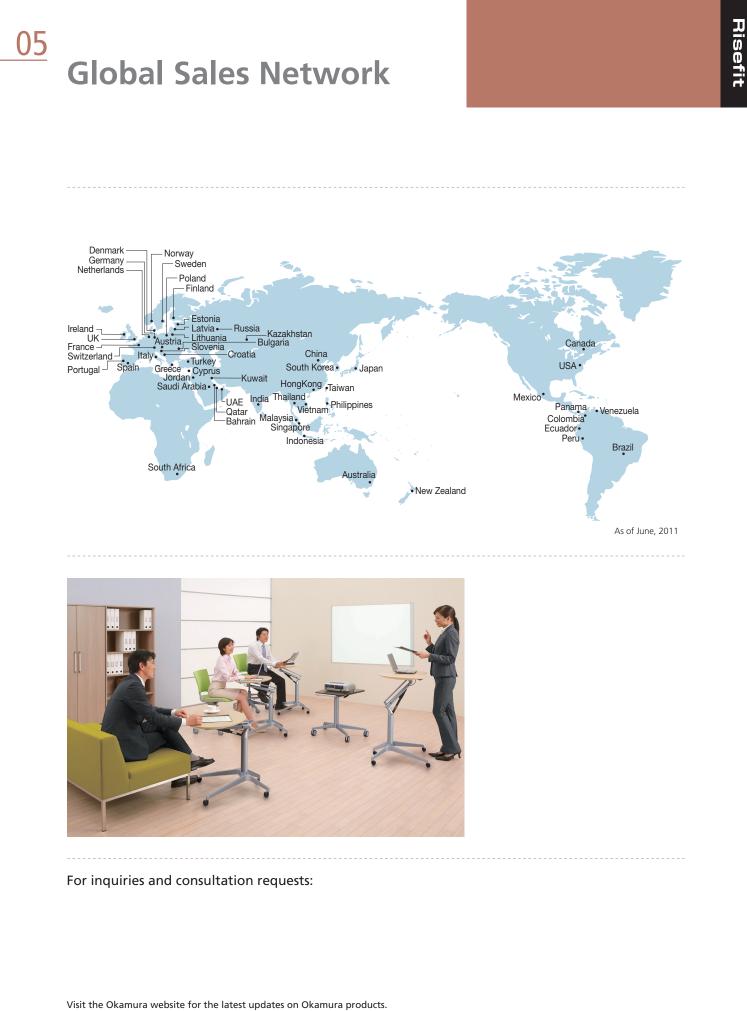
*1 These standard values contain exemptions set in the RoHS directive.
*2 Directive put into effect in European Union member states in July 2006 to restrict the use of hazardous substances in electronic and electrical equipment.



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LEED Credit Summary

Program	Category	Item		Contribution	Point of contribution
LEED 2009 for Commercial Interiors	Materials & Resources	MR 3.2	Resource Reuse	This product (Risefit) is designed to be refurbished and easy replacement. And it can be used any longer by having proper maintenance. Product can contribute to the this point by reusing. In Japan, Okamura has a service network by its subsidary, Okamura Support and Service.	1
		MR 4	Recycled content	83.2% (1/2Pre-Consumer: 0%, Post-Consumer: 83.2%)	1-2
		MR 5	Regional materials	Assembled in Takahata town, Yamagata, Japan. Please contact us in case of the delivery outside of Japan.	1-2
	Indoor Environmental Quality	ID 1	Innovation in design	High percentage of recycled content.	1-5
	Materials & Resources	MR 3	Material Reuse	This product (Risefit) is designed to be refurbished and easy replacement. And it can be used any longer by having proper maintenance. Product can contribute to the this point by reusing. In Japan, Okamura has a service network by its subsidary, Okamura Support and Service.	1-2
		MR 4	Recycled content	83.2% (1/2Pre-Consumer: 0%, Post-Consumer: 83.2%)	1-2
LEED 2009 for Existing Buildings, Operations and Maintenance	Materials & Resources	MR 1	Substainable Purchasing -Ongoing Consumables	83.2% (1/2Pre-Consumer: 0%, Post-Consumer: 83.2%)	1
		MR 2	Substainable Purchasing -Durable Goods		1-2



http://www.okamura.jp/