

**IARc Library: 12.52.13 ST 2009**  
**Office Seating**  
**12.52.13**  
**2012**

<b>PRODUCT INFORMATION</b>	<b>TYPE OF PRODUCT</b>	Office chair
	<b>COMPANY NAME</b>	Steelcase
	<b>PRODUCT/COLLECTION NAME</b>	Think Chair
	<b>DESCRIPTION</b>	A chair that intelligent enough to understand how you sit and adjust its self intuitively. A chair thoughtful enough to measure, and minimize, its lifelong impact on the environment. It's almost as if the chair could think.
<b>MATERIAL FEEDSTOCK</b>	<b>MATERIAL CONTENT</b>	Aluminum 12% Steel 31.7% PA 33.2% PET 2.5% POM 3.5% PP 4.5% PU 2.2% Rubber .2%
	<b>RECYCLED CONTENT %</b>	41% recycled content
	<b>RAPIDLY RENEWABLE CONTENT %</b>	99% by weight
	<b>HARMFUL ADDITIVES</b>	None
	<b>HARMFUL EMISSIONS</b>	None
	<b>EMISSION STRENGTH OVER TIME</b>	None
	<b>TREATMENTS</b>	None
<b>MANUFACTURING</b>	<b>MANUFACTURING PROCESS</b>	The chair's 12 subassemblies are supplied by eight fabricators, each of which is located as close as possible to one of Steelcase's manufacturing plants. These facilities have been placed to serve specific sections of the global market: the Grand Rapids, Michigan, plant will fulfill orders in North and South America; the Sarrebourg, France, factory will serve Europe and Africa; and the Kuala Lumpur facility will provide for the Asian and Australian markets.
	<b>HARMFUL EMISSIONS</b>	None
	<b>LOCATION OF MANUF. PLANT</b>	Many locations worldwide. Notably, Markham, Ontario, Canada; Grand Rapids, Michigan; Sarrebourg, France; and Kuala Lumpur
	<b>TESTS/CODES</b>	MBDC analyzed key materials according to their strict protocols, endorsing only those deemed safe to the environment.
	<b>3<sup>RD</sup> PARTY CERTIFICATION</b>	SCS Indoor Advantage Gold Certified Cradle to Cradle, Gold Certified NF Environment Label in France Green Guard approved
<b>INSTALLATION</b>	<b>INSTALLATION PROCEDURE</b>	Assembled by the use of simple hand tools and machines. No gluing processes are used in assembly, and all urethane foam is water based.
	<b>INSTALLATION ADHESIVES</b>	None
	<b>UNIT COST</b>	\$689 up to \$939
	<b>LIFE CYCLE ANALYSIS</b>	This chair considers materials and energy used for extraction. Production processes must minimize energy and impact. It reduces energy consumption and emissions for transport. The chair must be safe for use, nearly emission free and long lasting, finally is has multiple options for reutilization and recycling. This is the life cycle assessment of the Think 465 Series.
	<b>END OF SERVICE LIFE</b>	The chair was designed to take part in a productive "technical metabolism" of production, use, and perpetual recycling. It can be disassembled in about five minutes using ordinary hand tools—so it can easily be repaired and

		reconditioned, and its materials can be separated for recycling. And 99% of the chair's materials can be recycled after use. Can be recycled over time as well as dismantled into smaller parts.
<b>MISC. PROPERTIES</b>	<b>QUALITIES/PROPERTIES OF PRODUCT</b>	Easy to repair, reconfigure and upgrade. Seat and back cushions, arms, headrest and lumbar adjustments can be easily added, changed or replaced.
	<b>MISC. COMMENTS</b>	Majority of chairs are shipped blanket wrapped, and when used, cardboard boxes are recyclable. The Think chair is lightweight and can ship ready-to assemble which uses less packaging and allows more chairs per shipment, requiring less energy and materials for shipping.  There are no PVCs, CFCs, solvents, benzene, chrome, lead or mercury.
	<b>CONTRIBUTION TO LEED POINTS</b>	Can contribute to LEED points because the percentage amount of recycled material and low emitting product. Also can offer points for innovation for ergonomic qualities and production processes and ease disassembly can be added to LEED points for employee health.
<b>COMPANY PROFILE</b>	<b>GREEN PHILOSOPHY</b>	We believe that, big or small, every action that safeguards and restores the environment is significant. Our environmental vision is to excel in every environmental dimension to protect, replenish, and restore the communities in which we live and serve. We are committed to making that happen by creating and providing products that advance environmental and human health, social responsibility and economic prosperity. At the same time, we want to further and share the science and practice of sustainability through collaboration with our customers, business partners, and environmental thought leader.
	<b>CONTACT</b>	www.steelcase.com Tel: 800.516.3454
<b>MAINTENANCE</b>	<b>AFTER INSTALLATION</b>	Basic maintenance should be done on your chair's upholstery, finishes, controls, base, and other moving parts once a year - and more frequently if the chair is subjected to heavy use. Use a vacuum cleaner for regular cleaning. Do not steam clean. Periodic professional dry cleaning is recommended. Caster pintles should be lubricated once or twice a year.