


THE ECO DECLARATION



Product environmental attributes – THE ECO DECLARATION

Brand *	RICOH	
Company name *	RICOH Company Ltd.	
Contact information *		
Internet site *	www.ricoh.com	
Additional information		

The company declares (based on product specification or test results based obtained from sample testing), that the product conforms to the statements given in this declaration.	
Type of product *	FAX
Commercial name *	FAX 4430NF
Model number *	FAX 4430NF
Issue date *	31 December 2009
Intended market *	<input type="checkbox"/> Global <input checked="" type="checkbox"/> Europe <input type="checkbox"/> Japan <input type="checkbox"/> U.S. <input type="checkbox"/> Other
Additional information	

This is an uncontrolled copy when in printed form. Please refer to the contact information for the latest version.

The declaration may be published only when all rows and/or fields marked with a * are filled-in (n.a. for not applicable).

Quality Control	Requirement met	Yes	No
Item	Additional information regarding each item may be found under P14.		
QC1 *	The company enforces an internal quality control scheme to ensure the correctness of this eco declaration	<input checked="" type="checkbox"/>	<input type="checkbox"/>
QC2 *	The company is a member of an eco declaration system that enforces regular independent quality control such as organized by IT-Företagen (see www.itecodeclaration.org).	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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Product environmental attributes - Legal requirements		Requirement met		
Item	*=mandatory to fill in. Additional information regarding each item may be found under P14.	Yes	No	n.a.
P1 Hazardous substances and preparations				
P1.1*	Products do not contain lead, cadmium, mercury, hexavalent chromium, polybrominated biphenyl (PBB) and polybrominated diphenyl ether (PBDE) as specified in <i>EU 2002/95/EC and its amendments</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.2*	Products do not contain Asbestos (<i>EU 76/769/EEC, amendment 1999/77/EC</i>)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HBFC), hydrochlorofluorocarbons (HCFC), Halons, carbontetrachloride, 1,1,1-trichloroethane, methyl bromide (<i>EU : Regulation (EC) No. 2037/2000, 2038/2000, 2039/2000</i>)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.4*	Products do not contain polychlorinated biphenyl (PCB), polychlorinated terphenyl (PCT), (<i>EU 76/769/EEC</i>)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.5*	Products do not contain short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the chain containing at least 48% per mass of chlorine in the SCCP as specified in <i>Norwegian regulation relating to restrictions on the use of certain dangerous chemicals 20.12.2002</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.6*	Textile and leather parts with direct skin contact do not contain Tri-(2,3,-dibromopropyl)-phosphate (TRIS), Tris-(aziridinyl)-phosphineoxide (TEPA), polybrominated biphenyl (PBB) (<i>EU 76/769/EEC</i>)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P1.7*	Textile and leather parts with direct skin contact do not contain Azo colourants that split aromatic amines as specified in <i>EU 76/769/EEC, amendment 2003/3/EC</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P1.8*	Wooden parts do not contain arsenic and chromium as a wood preservation treatment as well as pentachlorophenol and derivatives (<i>EU 76/769/EEC</i>)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P1.9*	Parts with direct and prolonged skin contact do not release nickel in concentrations higher than specified in <i>76/769/EEC, amendment 94/27/EEC</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P2 Batteries				
P2.1*	If hazardous batteries (as defined in <i>91/157/EEC</i>) are used in the product they are easily removable and labelled with the disposal and the substance logo (as defined in <i>91/157/EEC, 93/86/EEC</i>)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P2.2*	If batteries are used in the product they do not contain mercury in concentrations higher than specified in <i>91/157/EEC</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P2.3*	If batteries are permanently installed in the product, information on the environmentally hazardous substances and safe removal method is listed in the user manual (<i>91/157/EEC</i>)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P3 Electrical safety, EMC and connection to the telephone network				
P3.1*	The product meets the Low Voltage Directive (LVD) regarding electrical safety (<i>73/23/EEC & 93/68/EEC</i>)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P3.2*	The product meets the EMC Directive regarding electromagnetic compatibility (<i>89/336/EEC / 2004/108/EEC after June, 20th 2007</i>)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P3.3*	If product is intended for connection to a public telecom network or contains a radio transmitter, it meets the EU R&TTE Directive (<i>1999/5/EC</i>)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P3.4*	The product is CE-marked and a Declaration of Conformity is available (<i>93/68/EEC</i>)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P4 Consumable materials				
P4.1*	If a photo conductor (drum, belt etc.) is used in the product, it does not contain cadmium in concentrations higher than specified in (<i>76/769/EEC and 91/338/EEC</i>)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P4.2*	If ink/toner is used in the product, it does not contain cadmium in concentrations higher than specified in (<i>76/769/EEC and 91/338/EEC</i>)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P4.3*	If the ink/toner formulation/preparation is classified as hazardous according to EU Directive 1999/45/EC, and as amended, the product/packaging is labelled and a Material Safety Data Sheet (MSDS) in accordance with (<i>99/45/EC & 2001/58/EC</i>) is available.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P5 Product packaging				
P5.1*	The sum of the concentration levels of lead, cadmium, mercury, and hexavalent chromium present in packaging or packaging components does not exceed 0,01% by weight (<i>94/62/EC</i>).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P5.2*	Plastic packaging material is marked according to ISO 11469 referring ISO 1043. (<i>97/129/EEC</i>)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P5.3*	The product packaging material is free from CFC/HCFC.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P6 Treatment information				
P6.1*	Information for recyclers/treatment facilities (e.g. as requested by 2002/96/EC) is available.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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Product environmental attributes - Market requirements - Environmental conscious design								
Requirement met								
Item	* =mandatory to fill in. Additional information regarding each item may be found under P14.				Yes	No	n.a.	
P7 Design								
Disassembly, recycling								
P7.1*	Parts that have to be treated separately are easily separable				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
P7.2*	Plastic materials in covers/housing have no surface coating.				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
P7.3*	Plastic parts >100g consist of one material or of easily separable materials.				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
P7.4*	Plastic parts >25g have material codes according to ISO 11469 referring ISO 1043.				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Product lifetime								
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
P7.8*	Upgrading can be done using commonly available tools				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
P7.9.	Spare parts are available after end of production for: 7 years						<input type="checkbox"/>	
P7.10	Service is available after end of production for: 7 years						<input type="checkbox"/>	
Material and substance requirements								
P7.11*	Product cover/housing material type: Material type: PC + ABS Material type: PC + PS Material type:							
P7.12*	Electrical cable insulation material of power cables are halogen free (including PVC)				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P7.13*	Electrical cable insulation material of signal cables are halogen free (including PVC)				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
P7.14	All cover/housing plastic parts >25g are halogen free				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
P7.15	All printed circuit boards (without components) >25g are halogen free				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
P7.16	Chemical specifications of flame retardants in cover / housing plastic parts >25g according ISO 1043-4: Cover/ housing: FR (40)				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
P7.17	Chemical specifications of flame retardants in printed circuit boards (without components) >25g according ISO 1043-4: Printed circuit boards: FR (17)				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
P7.18	Weight of recycled material in plastic parts is <10%							
P7.19	Plastic parts >25g are free from flame retardant substances/preparations above 0.1% classified as R45/46, R50/51/53 and R60/61 (67/548/EEC)				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
P7.20	Light sources are free from mercury If mercury is used specify: Number of lamps: and max. mercury content per lamp: mg				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
P8 Batteries								
P8.1*	Product does not contain batteries defined as hazardous according to 91/157/EEC				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
P8.2*	Battery chemical composition: Manganese Dioxide Litium						<input checked="" type="checkbox"/>	
P8.3	Batteries meet the requirements of the following voluntary program/s: European eco-label (EU Flower) criteria (2001/687/EC & 2001/686/EC)				<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
P9 Energy consumption								
9.1	For the product the following power levels or energy consumptions have been measured:							
Mode	Power level at * 230 Volts	Time (s) to <mode>	Mode description	Reference/ Standard		n.a.		
On-max	1000 W		* Maximum Energy Consumption	*		<input type="checkbox"/>		
On-normal	* 334.2 W	300 to LPM	* Operating Mode	*		<input type="checkbox"/>		
On-idle	33.8 W	to	* Ready Mode	*		<input type="checkbox"/>		
Save 1	* 6 W	to	* Sleep mode	*		<input type="checkbox"/>		
Save 2	W	to	*	*		<input type="checkbox"/>		
Off 1	* W	to	*	*		<input type="checkbox"/>		
Off 2	W	to	*	*		<input type="checkbox"/>		
No load	* W		External power supplies/charger plugged in but disconnected from the product	*		<input type="checkbox"/>		
TEC	* 57.7 kWh/y Typical Energy Consumption per year				*		<input type="checkbox"/>	
P9.2*	Information about the energy save function is provided with the product.				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
P9.3	The product meets the energy requirements of the following voluntary program/s: ENERGY STAR® MOU GEEA Others specify:				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
					<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
					<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

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Product environmental attributes - Market requirements (continued) Requirement met

Item * = mandatory to fill in. Additional information regarding each item may be found under P14. Yes No n.a.

P10 Emissions

Noise emission – Declared according to ISO 9296

P10.1	Mode	Mode description	Declared A-weighted sound power level L _{WAd} (B)	Declared A-weighted sound pressure level L _{pAm} (dB)		
				Operator position <input checked="" type="checkbox"/>	Bystander positions <input type="checkbox"/>	
				Desktop <input type="checkbox"/> or Deskside <input type="checkbox"/>	(only if product is not operator attended)	
	Idle	*	* 3.9		25	<input type="checkbox"/>
	Operation	* <i>Operating Mode</i>	* 4.6		53	<input type="checkbox"/>
	Other mode					
Measured according to: <input checked="" type="checkbox"/> ISO 7779 <input type="checkbox"/> ECMA-74 <input type="checkbox"/> Other (only if not covered by ECMA-74 with L _{pAm} measurement distance m)						

P10.2 The product meets the acoustic noise requirements of the following voluntary program/s:

TCO	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Blue Angel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
European eco.label (EU Flower)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Nordic Swan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Chemical emissions from printing products

P10.3* Test performed according to ECMA-328 standard , other specify: **RAL UZ**

The test covers: Dust Ozone Styrene Benzene TVOC

P10.4 The product meets the chemical emission requirements of the following voluntary program/s:

TCO	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Blue Angel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nordic Swan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Electromagnetic emissions

P10.5 Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary program/s:

P11 Consumable materials for printing products

P11.1* A Material Safety Data Sheet (MSDS) is available for the ink/toner preparation, even if not legally required (see P4.3).

P11.2* Paper containing recycled fibres that meets the requirements of EN12281 can be used.

P11.3* 2-sided (duplex) printing/copying is an integrated product function.

P12 Ergonomics for computing products

P12.1* The computer system meets the ergonomic requirements of EN 29241-3, -7, -8 for CRT displays and EN-ISO13406-2 for flat panel displays.

P12.2* The product keyboard meets the requirements of ISO 9995 and EN 29241-4.

P12.3* The computer input device meets the requirements of ISO 9241-9.

P13 Packaging and documentation

P13.1* Product packaging material type(s): **Corrugated Paper** weight (kg): **4.5**
Product packaging material type(s): **Plastic** weight (kg): **0.823**
Product packaging material type(s): weight (kg):

P13.2* Product plastic packaging is halogen free (including PVC)

P13.3* User and product documentation do not contain chlorine bleached paper

P13.4* User and product documentation contain recycled paper

P14 Additional information

NOTE
Additional lines may be inserted to declare further items, by positioning the cursor at the far right of the row and hitting the <Enter> key.