



Company environmental profile - THE ECO DECLARATION

Brand	RICOH	Logo
Company name *	RICOH Company Ltd.	T .
Contact information	Ricoh Europe Plc 20 Triton Street, London NW1 3BF, United Kingdom emo@ricoh-europe.com	nashua <u>tec</u>
Internet site *	www.ricoh.com	
Issue date *	20 April 2012	
Intended market *	☐ Global ☐ Europe ☐ Asia, Pacific & Japan ☐ Americas	Other
Additional information		

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Quality	control	Requireme	nt met
Item		Yes	No
QC1 *	The company enforces an internal quality control system to ensure the correctness of this eco declaration	\boxtimes	
QC2 *	The company is a member of an eco declaration system that enforces regular independent quality control.	\boxtimes	

Compan	y environmental profile - Legal requirements	Require	ement	met
Item		Yes	No	n.a.
C1	Product recycling			
C1.1*	The company participates in a system or has its own system for collection and recycling of end of life products in countries where the company puts them on the market and where required (2002/96/EC WEEE directive).			
C2	Battery recycling			
C2.1*	The company participates in a system or has its own system for collection and recycling of batteries in countries where the company puts products on the market (2006/66/EC Battery and accumulators Directive) or pays eco tax / fee where required.			
C3	Packaging recycling			
C3.1*	The company participates in a system or has its own system for collection and recycling of packaging material in countries where the company puts products on the market and where required (2004/12/EC Directive on packaging and packaging waste)			

nvironmental policy and environmental management ne company has a documented environmental policy approved by the management. ne company has an environmental management system covering: roduct development anufacturing so certified according to: SISO 14001 Other as specified in C6	Yes	No	n.a.
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30 certified according to. Mide 14001 Other as specified in 00			
ne company regularly publishes an environmental report. so, it meets the recommendations of XThe Global Reporting Initiative Other as specified in C6			
ecycling			
formation about the product, battery & packaging take back system (C1, C2, C3) is available in printed or ectronic format.			
dditional information			
s fo	to, it meets the recommendations of The Global Reporting Initiative Other as specified in C6 cycling ormation about the product, battery & packaging take back system (C1, C2, C3) is available in printed or actronic format.	so, it meets the recommendations of The Global Reporting Initiative Other as specified in C6 cycling ormation about the product, battery & packaging take back system (C1, C2, C3) is available in printed or cycling contact.	to, it meets the recommendations of The Global Reporting Initiative Other as specified in C6 cycling ormation about the product, battery & packaging take back system (C1, C2, C3) is available in printed or cycling contact.

Product environmental attributes – THE ECO DECLARATION

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 *	Multifunction				
Commercial name *	MP 301SP				
Model number *	Aficio MP 301SP				
Issue date *	20 April 2012				

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Issue date *	20 April 2012	Logo	nashua <u>tec</u>

Product	environmental attributes - Legal requirements	Requir	emer	nt met
Item		Yes	No	n.a.
P1	Hazardous substances and preparations			
P1.1*	Products do not contain lead max 0.1%, cadmium max 0.01%, mercury max 0.1%, hexavalent chromium max 0.1%, polybrominated biphenyls (PBB) max 0.1% and polybrominated diphenyl ethers (PBDE) max 0,1% (2002/95/EC ROHS Directive) see note B1			
P1.2*	Products do not contain Asbestos (REACH, Annex XVII). Comment: Legal reference has no maximum concentration value.			
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrachloride, 1,1,1-trichloroethane, methyl bromide (<i>Regulation (EC) No. 2037/2000, 2038/2000, 2039/2000)</i> . Comment: Legal reference has no maximum concentration values.			
P1.4*	Products do not contain polychlorinated biphenyl (PCB) max 0.005% by weight, polychlorinated terphenyl (PCT) max 0.005% by weight (REACH, Annex XVII).			
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 max 0.1% (Norwegian regulation relating to restrictions on the use of certain dangerous chemicals 20.12.2002).			
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) (REACH, Annex XVII). Comment: Legal reference has no maximum concentration values.			
P1.7*	Textile and leather parts with direct skin contact do not contain Azo colorants that split aromatic amines max 0.003% by weight (REACH, Annex XVII and Note B1).			
P1.8*	Wooden parts do not contain arsenic and chromium as a wood preservation treatment as well as pentachlorophenol and derivatives (REACH, Annex XVII). Comment: Legal reference has no maximum concentration values.			
P1.9*	Parts with direct and prolonged skin contact do not release nickel in concentrations above 0.5 microgram/cm2/week (<i>REACH</i> , <i>Annex XVII</i>). Comment: Max limit in legal reference when tested according to EN1811:1998.			
P1.10*	REACH Article 33 information about substances in articles is available at (add URL or mail contact) (REACH Regulation 1907/2006, Annex VII)			
P2	Batteries			
P2.1*	If the product contains a battery or an accumulator, it is labeled with the disposal symbol and if it contains more than 0.0005% of mercury (for button cells only) by weight, or more than 0.004% of lead, it shall be marked with the chemical symbol for the metal concerned, Hg or Pb. Information on proper disposal is provided in user manual (2006/66/EC Battery and accumulators Directive).			
P2.2*	Button cells used in the product do not contain more than 2% by weight of mercury. Other batteries or accumulators do not contain more than 0.0005% of mercury or 0.002% of cadmium (2006/66/EC Battery and accumulators Directive).			
P2.3*	Batteries and accumulators are easily removable by either users or service providers (as dependent on the design of the product). Exception: Batteries that are permanently installed for safety, performance, medical or data integrity reasons do not have to be "easily removable" (2006/66/EC Battery and accumulators Directive).			
P3	Safety, EMC connection to the telephone network and labeling			
P3.1*	The product complies with legally required safety standards as specified (2006/95/EC Low Voltage Directive).			
P3.2*	The product complies with legally required standards for electromagnetic compatibility (2004/108/EEC New EMC Directive).			
P3.3*	If product is intended for connection to a public telecom network or contains a radio transmitter, it complies with legally required standards for radio and telecommunication devices (1999/5/EC (R&TTE Directive).			
P3.4*	The product is labeled to show conformance with applicable legal requirements (2006/66/EC Battery and accumulators Directive, 2006/95/EC Low Voltage Directive, 2004/108/EEC New EMC Directive, 1999/5/EC R&TTE Directive, 2002/96/EC WEEE directive)			
P4	Consumable materials			
P4.1*	If a photo conductor (drum, belt etc.) is used in the product, it does not contain cadmium max 0.01% (2002/95/EC ROHS Directive).			
P4.2*	If ink/toner is used in the product, it does not contain cadmium max 0.1% by weight (REACH, Annex XVII).			
P4.3*	If the ink/toner formulation/preparation is classified as hazardous according to applicable regulations, the product/packaging is adequately labeled and a Safety Data Sheet (SDS/MSDS) in accordance with these requirements (EC No. 1272/2008 regulation on classification, labeling and packaging CLP, REACH article 31, annex II).			
P5	Product packaging			
P5.1*	Packaging and packaging components do not contain lead, mercury, cadmium and hexavalent chromium max 0.01% by weight of this together (2004/12/EC Directive on packaging and packaging waste).			
P5.2*	Plastic packaging material is marked according to ISO 11469 referring ISO 1043 (97/129/EC Commission Decision on Identification System for Packaging Materials).			
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montreal Protocol (2037/2000/EC Regulation on Substances that Deplete the Ozone Layer). Comment: Legal reference has no maximum concentration values.			

Note B1: Restriction applies to the homogeneous material, unless other specified and expressed in weight %

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Issue date *	20 April 2012	Logo	nashua <u>tec</u>

Produ	ct environmental attributes - Market requirements - Environmental conscious design	Require	ement	met
Item	*=mandatory to fill in. Additional information regarding each item may be found under P14.	Yes	No	n.a.
P6 P6.1*	Treatment information			
P7.	Information for recyclers/treatment facilities is available (2002/96/EC WEEE directive). Design		Ш	
F/	Disassembly, recycling			
P7.1*	Parts that have to be treated separately are easily separable		$\overline{\Box}$	$\overline{\Box}$
P7.2*	Plastic materials in covers/housing have no surface coating.		╁	Ħ
P7.3*	Plastic parts >100g consist of one material or of easily separable materials.		$\overline{}$	Ħ
P7.4*	Plastic parts >25g have material codes according to ISO 11469 referring ISO 1043.		\forall	∺
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.		∺	∺
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).		∺	∺
1 7.0	Product lifetime			
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives			
P7.8*	Upgrading can be done using commonly available tools		\dashv	∺
P7.9.	Spare parts are available after end of production for: 7 years		∺	∺
P7.10	Service is available after end of production for: 7 years	\square	∺	∺
	Material and substance requirements		<u> </u>	
P7.11*	Product cover/housing material type:			
	Material type: PC Material type: Material type:			
P7.12	Electrical cable insulation material of power cables are PVC free.			
P7.13	Electrical cable insulation materials of signal cables are PVC free.			
P7.14	All cover/housing plastic parts >25g are free from chlorine and bromine.			
P7.15	All printed circuit boards (without components) >25g are halogen free, as defined in IEC61249-2-21 (see note B2)			
P7.16	Flame retarded plastic parts >25g in covers / housings are marked according ISO 1043-4: Marking:			
P7.17	Alt. 1 Chemical specifications of flame retardants in printed circuit boards >25g (without components): TBBPA (additive) , TBBPA (reactive) , Other; chemical name: , CAS #: Alt. 2			
	Chemical specifications of flame retardants in printed circuit boards (without components) >25g according ISO 1043-4:			
P7.18	Alt. 1 Flame retarded plastic parts >25g contain the following flame retardant substances/preparations in concentrations above 0.1%: Comment: No legal limits exist, this is a market requirement.			
	1. Chemical name: , CAS #: 2. Chemical name: , CAS #: 3. Chemical name: , CAS #:			
	Alt. 2 Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4:			
P7.19	Plastic parts>25g are free from flame retardant substances/preparations above 0.1% classified as R45, R40, R46, R48, R50, R51, R53, R60, R61 and any combination of these (see note B3)(EC No. 1272/2008 regulation on classification, labeling and packaging CLP)			
P7.20	Of total plastic parts' weight >25g, recycled material content is 0% [pls see P14 for additional information]			
P7.21 P7.22	Of total plastic parts' weight >25g, biobased material content is 0%. Light sources are free from mercury			
r1.22	If mercury is used specify: Number of lamps: and max. mercury content per lamp: mg		Ш	
P8	Batteries			
P8.1*	Battery chemical composition (2006/66/EC Battery and accumulators Directive): <i>lithium-ion</i>			
P8.2	Batteries meet the requirements of the following voluntary program/s: <i>European eco-label (EU Flower)</i>			\boxtimes

Note B2: IEC61249-2-21 has maximum limits for chlorine and bromine but does not address fluorine, iodine and astatine which are included in the group of halogens.

Note B3: 'Starting from January 2009, Risk phrases can be replaced by Hazard phrases according to the Globally Harmonized System (GHS), mandatory by December 2010.

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	t environmenta	l attribut	es - Market requi	rements (c	ontinu	ed)			Re	equiren		met
Item	_									Yes	No	n.a.
P9	Energy consum	-	<u> </u>									
9.1	For the product t	he followin	ig power levels or en	ergy consum	nptions h	<u>nave been</u>	measured:					
Energy n	node *		Power level at 100 V AC	Power level 115 V A		Power le			e / Standard nd test metho		gy	
Maximu	m Energy Consu	mption	VV	W		1100 V option)	V (full					
Operatir	ng Mode		W	W		449.2	W					
Ready N			W	W		83.5 W	l					
Off/Slee	p Mode		W	W		3 W						
			W	W			W					
			W	W			W					
plugged	load I power supply / ch in the wall outlet b ected from the prod	ut	W	W			W					\boxtimes
PTEC * Typical E	Energy Consumption	on	W	W		W						\boxtimes
TEC * Typical E	Energy Consumption	on	kWh/week	kWh	/week	1.511 kW	/h/week					
ETEC * Annual E	energy Consumption	on	kWh/year	kWh	/year	72.528 k	Wh/year					
Display r	esolution * : dpi											
Print Spe	eed * : 30 pages	per minute	9									Ħ
	me to enter energ											\exists
P9.2*		-	gy save function is p	rovided with	the prod	uct.				\boxtimes	$\overline{\Box}$	$\overline{\Box}$
P9.3*			rgy requirements of 1.1 Tier: 2 Produ				n/s:					
P10	Emissions										<u> </u>	
1 10		– Declare	d according to ISO 9	1296								
P10.1	Mode	Mode de	-		Dec	clared		Declared	A-weighted		-	
					A-we	eighted	soun		e level L_{pAm}	(dB)		
					id power		or position Bystander positions			\Box		
					level	L_{WAd} (B)		esktop	only if p			
							or Des			or atten		
	Idle	* Stand-	bv		* 3.4		01 De3	K Side	19.4			
					* 0 0] [
	Operation	* Operat	ing Mode		* 6.8				58.2			Ш
	Other mode											
	Measured accord	ding to:			d b.v. F.C.	MA 74	h.l	uromont di	otonoo	-m)		
P10.2	The product mee	ets the aco		if not covered				urement di	stance	m)		
1 10.2	P10.2 The product meets the acoustic noise requirements of the following voluntary program/s: Blue Angel Nordic Swan											
			printing products									
P10.3*			o ECMA-328 (ISO/IE	EC 28360) st	andard	, other	specify: RAL	UZ				
P10.4			phase) is (mg/h): detection Styrene	details of details.	ection)	Benzene	details of the second seco	ection TV	OC 0.66	\bowtie		
P10.5	Chemical emissi	on require	ments of the followin	g voluntary p] [
	Dust Ozone	⊠ Styren	e 🔀 Benzene 🔀 T	VOC 🔀					lue Angel lordic Swan			
	Electromagnetic											
P10.6			e requirement for lov	v frequency e	electrom	agnetic fie	elds of the fol	lowing vol	untary			
L	program/s.											

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Product environmental attributes - Market requirements (continued)			Requirement met		
Item		Yes	No	n.a.	
P11	Consumable materials for printing products				
P11.1*	A Safety Data Sheet (SDS) is available for the ink/toner preparation, even if not legally required (see P4.3).	\boxtimes			
P11.2*	Paper containing post-consumer recycled fibers can be used, provided that it meets the requirements of EN12281.				
P11.3*	2-sided (duplex) printing/copying is an integrated product function.	\boxtimes			
P12	Ergonomics for computing products				
P12.1*	The display meets the ergonomic requirements of ISO 9241-307 for visual display technologies.			\boxtimes	
P12.2*	The physical input device meets the requirements of ISO 9995 and ISO 9241-410.			\boxtimes	
P13	Packaging and documentation				
P13.1*	Product packaging material type(s): Corrugated Paper Product packaging material type(s): Plastic Product packaging material type(s): Weight (kg): 4.197 weight (kg): 0.432 weight (kg):				
P13.2*	Product plastic packaging is free from PVC	\boxtimes			
P13.3*	Specify media for user and product documentation (tick box): Electronic Paper Other				
P13.4*	For paper user and product documentation, please specify contained percentage of post-consumer recycled fiber. %				
P14	Additional information				
	This product is designed to utilise recycled plastic materials wherever available				