

•ecma JT-Företagen

Company environmental profile - THE ECO DECLARATION

Brand	RICOH	Logo		
Company name *	RICOH Company Ltd.			
Contact information	Ricoh Europe Plc 20 Triton Street, London NW1 3BF, United Kingdom emo@ricoh-europe.com	nashuatec		
Internet site *	www.ricoh.com			
Issue date *	19 December 2012			
Intended market *] Global 🔀 Europe 🔲 Asia, Pacific & Japan 🗌 Americas 🗌 Other			
Additional information				

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Quality	control	Requireme	ent 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.		

Compan	y environmental profile - Legal requirements	Requir	ement	met
Item		Yes	No	n.a.
C1	Product recycling			
C1.1*	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)			

Compa	ny environmental profile - Market requirements	Requir	emen	met
Item		Yes	No	n.a.
C4	Environmental policy and environmental management			
C4.1*	The company has a documented environmental policy approved by the management.	\boxtimes		
C4.2*	The company has an environmental management system covering: Product development Manufacturing If so certified according to: ISO 14001 Other as specified in C6	\boxtimes		
C4.3	The company regularly publishes an environmental report. If so, it meets the recommendations of Arbe Global Reporting Initiative Dother as specified in C6	\boxtimes		
C5	Recycling			
C5.1*	Information about the product, battery & packaging take back system (C1, C2, C3) is available in printed or electronic format.	\boxtimes		
C6	Additional information			

Product environmental attributes – THE ECO DECLARATION

	ased on product specification or test results based obtained from sample testing), that the product ts given in this declaration.
Type of product *	Multifunction
Commercial name *	MP 2501SP
Model number *	MP 2501SP
Issue date *	19 December 2012

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Model number *	MP 2501SP		
Issue date *	19 December 2012	Logo	nashuatec

Product	environmental attributes - Legal requirements	Require	emen	t 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.	\square		
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 (<i>REACH, Annex XVII</i>).	\boxtimes		
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% (<i>Norwegian regulation relating to restrictions on the use of certain dangerous chemicals 20.12.2002</i>).			
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>REACH, Annex XVII</i>). 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 (<i>REACH, Annex XVII and Note B1</i>).			\boxtimes
P1.8*	Wooden parts do not contain arsenic and chromium as a wood preservation treatment as well as pentachlorophenol and derivatives (<i>REACH, Annex XVII</i>). Comment: Legal reference has no maximum concentration values.			\boxtimes
P1.9*	Parts with direct and prolonged skin contact do not release nickel in concentrations above 0.5 microgram/cm2/week (<i>REACH, 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)	\square		
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).	\boxtimes		
P3.2*	The product complies with legally required standards for electromagnetic compatibility (2004/108/EEC New EMC Directive).	\square		
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).	\square		
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).	\square		
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.	\boxtimes		

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

Model nu		MP 2501SP				
Issue dat	te *	19 December 2012	Logo	nash	uaț	ec
Produc	ct onviro	nmental attributes - Market requirements - Environmental conscious	design	Poqui	iremen	t mot
Item		atory to fill in. Additional information regarding each item may be found under P14.	uesign	Yes		n.a.
P6		nt information				
P6.1*	Informati	on for recyclers/treatment facilities is available (2002/96/EC WEEE directive).		\square		
P7	Design	mbly, recycling				
P7.1*		at have to be treated separately are easily separable		\square		
P7.2*	Plastic m	naterials in covers/housing have no surface coating.				
P7.3*		arts >100g consist of one material or of easily separable materials.			—Ħ	<u> </u>
P7.4*	-	arts >25g have material codes according to ISO 11469 referring ISO 1043.			—Ħ	
P7.5	-	arts are free from metal inlays or have inlays that can be removed with commonly a	vailable to		- #	-8-
P7.6*		re easily separable. (This requirement does not apply to safety/regulatory labels).			-#	<u> </u>
	Product					
P7.7*		ng can be done e.g. with processor, memory, cards or drives				
P7.8*		g can be done using commonly available tools			- #	<u> </u>
P7.9.		arts are available after end of production for: 7 years			- H	-#-
P7.10		s available after end of production for: 7 years			<u> </u>	
F7.10						
P7.11*		and substance requirements cover/housing material type:				
17.11		type: PC + ABS Material type: PC + PS Material	al type:			
P7.12	Electrica	I cable insulation material of power cables are PVC free.	. type:	\square		
P7.13		l cable insulation materials of signal cables are PVC free.			— <u> </u>	<u> </u>
P7.14		/housing plastic parts >25g are free from chlorine and bromine.		<u> </u>	<u> </u>	<u> </u>
P7.15		d circuit boards (without components) >25g are halogen free, as defined in IEC612	40-2-21 /s		- #	-#-
P7.16	note B2)		40 2 21 (0			
	Marking:					
P7.17		al specifications of flame retardants in printed circuit boards >25g (without compone additive) , TBBPA (reactive) , Other; chemical name: ,	nts): CAS #:			
	ISO 1043	Il specifications of flame retardants in printed circuit boards (without components) > 3-4:	25g accor	ding		
P7.18	concentr	etarded plastic parts >25g contain the following flame retardant substances/prepara ations above 0.1%: nt: No legal limits exist, this is a market requirement.	tions in			
	2. Chem 3. Chem	ical name: , CAS #: ical name: , CAS #: ical name: , CAS #: CAS #:				
		Il specifications of flame retardants in plastic parts >25g according ISO 1043-4:				
P7.19	R40, R40 regulatio	arts>25g are free from flame retardant substances/preparations above 0.1% classif 6, R48, R50, R51, R53, R60, R61 and any combination of these (see note B3)(EC n on classification, labeling and packaging CLP)	No. 1272/2	2008		
P7.20		plastic parts' weight >25g, recycled material content is 0% [pls see P14 for addition	al informa	tion]		
P7.21 P7.22		blastic parts' weight >25g, biobased material content is 0%.				
	If mercu	y is used specify: Number of lamps: and max. mercury content per lamp:	mg			
P8	Batterie		o diavid-			
P8.1*	lithium	chemical composition (2006/66/EC Battery and accumulators Directive): Manganes				
P8.2		meet the requirements of the following voluntary program/s: <i>European eco-label</i> (2001/687/EC & 2001/686/EC)	(EU Flowe	∍r)		\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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Produc	t environmenta	al attribut	es - Market requi	irements (c	ontinu	ied)			Re	quiren	nent r	net
Item										Yes	No	n.a.
P9	Energy consum	-										
9.1	For the product t	the followin	g power levels or er	nergy consum	nptions h	have been	measured:					
Energy r	mode *		Power level at 100 V AC	Power leve 115 V A		Power lev 230 V		Reference / modes and	Standard for test method	or energ I *	у	
Operati	ng Mode		W	W		433 V	V					
Ready I	Mode		W	VV		113 W	1					
Off/Slee	ep Mode		VV	W		0.6 W	1					
			VV	VV		W	1					
			W	VV		V	V					
			VV	W		١	N					
plugged disconne	-load Il power supply / cl in the wall outlet b ected from the pro-	but	W	W			W					
PTEC * Typical B	Energy Consumpti	on	W	W		W						\square
TEC * Typical I	Energy Consumpti	on	kWh/week	kWh	/week	1.082 kW	/h/week					
ETEC * Annual E	Energy Consumpti	on	kWh/year	kWh	/year	51.936 k	Wh/year					
Display I	resolution * : dpi											
Print Sp	eed * : 25 pages	per minute	9									
Default t	ime to enter energ											
P9.2*	P9.2* Information about the energy save function is provided with the product.											
P9.3*			rgy requirements of 1.1 Tier: 2 Produ				n/s:			\square		
P10	Emissions											
	Noise emission	– Declare	d according to ISO	9296								
P10.1	Mode	Mode de	scription		-	clared eighted		Declared A-weighted				
						d power	SO	sound pressure level $L_{p\rm Am}$ (dB)				_
						Operato	erator position Bystander positions (only if product is			าร 🔄		
							_	Desktop		product ator atte		
	Idle	* Stand-	by		* 3.4		or L	esk side	19.8		,	
									13.0			
	Operation	* Operat	ing Mode		* 6.5				56			
	Other mode											
	Measured accor	ding to: 🔀			d by FC	MA-74 witl	h l nam mea	surement dis	ance	m)		
P10.2	The product mee	ets the aco	ustic noise requirem	ents of the fo	ollowing	voluntary	program/s:			,		·
									ie Angel rdic Swan	\square		
	Chemical emiss	sions from	printing products									
P10.3*			o ECMA-328 (ISO/II	EC 28360) st	andard	, other	specify: R/	L-UZ		\boxtimes		
P10.4	• •		phase) is (mg/h):	Real of the		D	Hard to a first					
P10.5	Chemical emissi	e /mit of<br on require	detection Styrene ments of the followin	<pre> </pre> <pre></pre>	rogram	вепzene /s are met	<pre> </pre> <pre></pre>	etection IV	JC <mark>0.99</mark>			
			e 🛛 Benzene 🔀 1		li e gi ai i i				e Angel rdic Swan			
D40.0	Electromagneti				ala atra			allauria a cost				
P10.6	Computer displa program/s:	ly meets th	e requirement for lov	w frequency (electrom	agnetic fie	eids of the f	oliowing volu	itary			

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t environmental attributes - Market requirements (continued)	Require	ment	met
· · · · · ·	Yes	No	n.a
Consumable materials for printing products			
A Safety Data Sheet (SDS) is available for the ink/toner preparation, even if not legally required (see P4.3).	\boxtimes		
Paper containing post-consumer recycled fibers can be used, provided that it meets the requirements of EN12281.	\square		
2-sided (duplex) printing/copying is an integrated product function.	\boxtimes		
Ergonomics for computing products			
The display meets the ergonomic requirements of ISO 9241-307 for visual display technologies.			\square
The physical input device meets the requirements of ISO 9995 and ISO 9241-410.			\square
Packaging and documentation			
Product packaging material type(s):Corrugated Paperweight (kg):6.005Product packaging material type(s):Plasticweight (kg):0.551Product packaging material type(s):weight (kg):weight (kg):			
Product plastic packaging is free from PVC	\square		
Specify media for user and product documentation (tick box): Electronic Z Paper Z Other			
For paper user and product documentation, please specify contained percentage of post-consumer recycled fiber.			\boxtimes
Additional information			
This product is designed to utilise recycled plastic materials wherever available			
	Consumable materials for printing products A Safety Data Sheet (SDS) is available for the ink/toner preparation, even if not legally required (see P4.3). Paper containing post-consumer recycled fibers can be used, provided that it meets the requirements of EN12281. 2-sided (duplex) printing/copying is an integrated product function. Ergonomics for computing products The display meets the ergonomic requirements of ISO 9241-307 for visual display technologies. The physical input device meets the requirements of ISO 9995 and ISO 9241-410. Packaging and documentation Product packaging material type(s): Corrugated Paper weight (kg): 6.005 Product packaging material type(s): Plastic weight (kg): 0.551 Product packaging material type(s): weight (kg): 0.551 Product packaging is free from PVC seeight (kg): Specify media for user and product documentation (tick box): Electronic Paper Other For paper user and product documentation, please specify contained percentage of post-consumer recycled fiber. % Additional information Material information	Yes Consumable materials for printing products A Safety Data Sheet (SDS) is available for the ink/toner preparation, even if not legally required (see P4.3). Paper containing post-consumer recycled fibers can be used, provided that it meets the requirements of EN12281. 2-sided (duplex) printing/copying is an integrated product function. Ergonomics for computing products The display meets the ergonomic requirements of ISO 9241-307 for visual display technologies. The physical input device meets the requirements of ISO 9995 and ISO 9241-410. Packaging and documentation Product packaging material type(s): Corrugated Paper weight (kg): 6.005 Product packaging material type(s): Plastic weight (kg): 0.551 Product packaging is free from PVC Specify media for user and product documentation (tick box): Electronic Paper Other For paper user and product documentation, please specify contained percentage of post-consumer recycled fiber. %	Yes No Consumable materials for printing products