

Annex B1 - Product environmental attributes Imaging equipment

The declaration may be published only when all rows and/or fields marked with * are filled-in (n.a. for not applicable). Additional information regarding each item may be found under P15.

Brand *	Ricoh	Logo
Company name *	Ricoh Company Ltd	
Contact information * e-mail address	Ricoh Europe (Netherlands) , Prof. W.H.Keesomlaan 1, PO Box 114 1180AC Amstelveen, The Netherlands reu.compliance@ricoh-europe.com	
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 *	MFP				
Commercial name *	M C2000				
Model number *	M C2000				
Issue date *					
Intended market *	🗌 Global 🔀 Europe 🔲 Asia, Pacific & Japan 🗌 Americas 🗌 Other				
Additional information					

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

About Annex B1

Annex B1 reflects Product environmental attributes relevant for Imaging products. The following items from the ECMA-370 Main body are not shown in the template: P9.1 PTEC, ETEC and display resolution

P12.1-P12.2 Ergonomic requirements.

Model number *	M C2000	Logo	
Issue date *	7 June 2021		

Product	environmental attributes - Legal requirements	Require	ement	met
Item		Yes		n.a.
P1	Hazardous substances and preparations			
P1.1*	Products do comply with the current European RoHS Directive. (See legal reference and NOTE B1)	\boxtimes		
P1.2*	Products do not contain Asbestos (see legal reference). Comment: Legal reference has no maximum concentration value.	\boxtimes		
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrachloride, 1,1,1- trichloroethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum concentration values.			
P1.4*	Products do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polychlorinated terphenyl (PCT) in preparations (see legal reference).	\boxtimes		
P1.5*	Products do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the chain containing at least 48% per mass of chlorine in the SCCP (see legal reference).	e 🔀		
P1.6*	Parts with direct and prolonged skin contact do not release nickel in concentrations above 0,5 µg/cm ² /week (see legal reference). Comment: Max limit in legal reference when tested according to EN1811:2011-5.			
P1.7*	REACH Article 33 information about substances in articles is available at (add URL or mail contact): reu.compliance@ricoh-europe.com			
P2	Batteries			
P2.1*	If the product contains a battery or an accumulator, the battery/accumulator is labeled with the disposal symbol. Information on proper disposal is provided in user manual. (See legal reference)	\boxtimes		
P2.2*	Batteries or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmium. (See lega reference)			
P2.3*	Batteries and accumulators are readily removable. (See legal reference)	\boxtimes		
P2.4*	Documentation includes the number of cycles the (secondary) battery can withstand. (See legal reference)		Ħ	\boxtimes
P2.5*	When internal batteries of a notebook computer cannot be "accessed and replaced by a nonprofessional user", the related text is present and legible on the external packaging (see legal reference)			
P3	Conformity verification & Eco design (ErP)			
P3.1*	The product is CE-marked to show conformance with applicable legal requirements (see legal reference). The Declaration of Conformity can be requested at (add link or e-mail address): <i>reu.compliance@ricoheurope.com</i>			
P3.2*	The product complies with the Eco design Requirements for Energy-Related Products, (see legal reference).	\boxtimes		
	Required information is; given in item P15 or added to this document, available at (add URL):		\square	
P4	Consumable materials			
P4.1*	If a photo conductor (drum, belt etc.) is used in the product, it does not contain cadmium at a level greater than 0,01% (see legal reference and NOTE B1).	\boxtimes		
P4.2*	If ink/toner is used in the product, it does not contain cadmium at a level greater than 0,1% by weight (see legal reference)	\boxtimes		
P4.3*	If the ink/toner formulation/preparation is classified as hazardous or contains a substance for which there are Community workplace exposure limits, the product/packaging is adequately labeled according to applicable regulations and a Safety Data Sheet (SDS) in accordance with these requirements is available (see legal reference).			
P5	Product packaging			
P5.1*	Packaging and packaging components do not contain more than 0,01% lead, mercury, cadmium and hexavalent chromium by weight of these together.			
P5.2*	The packaging materials are marked with abbreviations and numbers indicating the nature of the material(sused (see legal reference).	s) 🔀		
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montreal Protocol (see legal reference). Comment: Legal reference has no maximum concentration values.			
P6	Treatment information			
P6.1*	Information for recyclers/treatment facilities is available (see legal reference).	\square		

Model n	umber *	M C2000	Logo			
lssue da	ite *	7 June 2021				
	Environr	mental attributes - Market requirements (See General Note GN below) nental conscious design				nt met
Item		tory to fill in. Additional information regarding each item may be found under P14.		Yes	No	n.a.
P7	Design					
P7.1*		mbly, recycling It have to be treated separately are easily separable				
P7.2*					<u> </u>	<u> </u>
		naterials in covers/housing have no surface coating.			_닏	<u> </u>
P7.3*		arts > 100 g consist of one material or of easily separable materials.		\square		
P7.4*	•	arts > 25 g have material codes according to ISO 11469 referring ISO 1043-4.		\square		
P7.5		arts are free from metal inlays or have inlays that can be removed with commonly a	vailable tools.	\boxtimes		
P7.6*	Labels a	re easily separable. (This requirement does not apply to safety/regulatory labels).		\square		
	Product					
P7.7*		g can be done e.g. with processor, memory, cards or drives		\square		
P7.8*		g can be done using commonly available tools		\square		
P7.9.		arts are available after end of production for: 7 years				
P7.10	Service i	s available after end of production for: 7 years				
		and substance requirements				
P7.11*		cover/housing material type (e.g. plastics, metal, aluminum): type: PC+ABS Material type: Material	type:			
P7.12	Insulatio	n materials of external electrical cables are PVC free.			\boxtimes	
P7.13	Insulatio	n materials of internal electrical cables are PVC free.			\boxtimes	
P7.14	weight (1 polyvinyl	plastic casing/cover parts > 25 g contain no more than 0,1% weight (1000 ppm) bro 1000 ppm) chlorine attributable to brominated flame retardants, chlorinated flame chloride or 0,3% weight (3000 ppm) bromine and 0,3% weight (3000 ppm) c ng more than 25% post-consumer recycled content.	retardants, an	ıd 🔼		
P7.15		circuit boards, PCBs (without components) are low halogen: all 🗌 PCBs > 2! as defined in IEC 61249-2-21. (See NOTE B2)	5 g 🗌 are lo	w	\boxtimes	
P7.16	Marking:			\boxtimes		
P7.17		nemical specifications of flame retardants in printed circuit boards > 25 g (without co additive) , TBBPA (reactive) (See NOTE B3), Other; chemical name:	mponents): , CAS #:		\boxtimes	
		nemical specifications of flame retardants in printed circuit boards (without compone g ISO 1043-4:	nts) > 25 g		\boxtimes	
P7.18	concentr 1. Chemi	ame retarded plastic parts > 25 g contain the following flame retardant substances ations above 0,1%: ical name: , CAS #: (See NOTE B4) ical name: , CAS #: "	/preparations i	in		
	3. Chemi	ical name: , CAS #: "	4. ED(40)	\boxtimes		
P7.19	In plastic assigned	nemical specifications of flame retardants in plastic parts > 25 g according ISO 1043 parts > 25 g, flame retardant substances/preparations above 0,1% are used which the following Risk phrases; and Hazard statements: ree(s) for these classifications is/are found at (add URL(s)): , (See N				

GENERAL NOTE Standard references should direct to the latest version of a standard. If an older version of a standard is used, section P15 shall be used for explanation.

NOTE B2 IEC 61249-2-21 defines maximum limits of 900 ppm for each of the substances chlorine and bromine and a maximum limit of 1500ppm of these substances combined. The standard does not address fluorine, iodine and astatine which are included in the group of halogens.

NOTE B3 and B4 A Guidance document on Chemical substances is available;

see http://www.ecma-internationl.org/publications/standards/Ecma-370.htm.

NOTE B5 If a certain substance has been assigned a certain risk phrases / hazard statement in the referenced source, this does not necessarily mean the substance has been tested for all of the hazards referred to by a certain customer.

Model number *	M C2000				Logo			
Issue date *	7 June 20	21						
								·
	nental attri	ibutes - Market ree	quirements (conti	nued)		Require		
Item						Yes	No	n.a
		nce requirements (c						
Posicons	sumer recyci	led plastic material co	intent is used in the p	roduct (See NOTE B6)				
a) Of t	otal plastic p			ered; /cled plastic material co	ontent (calculated as a	a		
or b) The	woight of re	oveled meterial is 82	0 00[~1/26007 42[~1					
			0.08[g]/36987.13[g] o n the product (See No					
lf YES; a a) Of t tota or b) The	t least one c otal plastic p l plastic by v weight of th	of the two alternatives parts' weight > 25 g, t veight) is 0 ne biobased plastic ma	below shall be answe the biobased plastic r aterial is 0 g.	ered; naterial content (calcul	ated as a percentage	of		
			ess than 0,1 mg/lamp.			\boxtimes		
	, ,	ecify: Number of lam		um mercury content pe				
P7.23* If produc	t includes ar	n integral display, the	total mercury content	in the integrated displa	ay: <mark>0</mark> mg	\boxtimes		
P8 Batteries	\$							
P8.1* Battery c	hemical com	nposition: Manganes	e dioxide lithium					
	-	on (See NOTE B8)						
P9.1 For the p	roduct the fo	ollowing power levels	or energy consumption	ons are reported:				
Energy mode *		Power level at 100 V AC	Power level at 115 V AC	Power level at 230 V AC	Reference/Standard modes and test me		nergy	
Sleep mode for ENE STAR® Operational (OM) products		W	W	W				
Standby/off mode for ENERGY STAR Ope Mode (OM) products	rational	W	W	W				
TEC value for ENER TEC products (TEC= Energy Consumption	Typical	kWh/week	kWh/week	0.36 kWh/week	Based on ENERGY Test Method. TEC the program require	value satisf		
Operating mode		W	W	Mono: 385 W Color: 459 W				
Ready mode		W	W	37.9 W				
Sleep mode		W	W	1.2 W				
		W	W	W				
		W	W	W				Π
		W	W	W				
External Power Supr	ly Efficiency		Efficiency Marking Pro					
Print/Scan Speed *		0 images per minute						
Default time to enter								
						N		ᆜ
P9.2* Informati	on about the	energy save function	n is provided with the	product.		\boxtimes		

NOTE B6 Applies to a product containing plastic parts whose combined weight exceeds 100 g with the exception of printed circuit boards, cables, connectors and electronic components and bio-based plastic material.

NOTE B7 The following is to be excluded from the calculation of percentage: printed circuit boards, labels, cables, connectors and electronic components and postconsumer recycled plastic.

NOTE B8 A Guidance document on Energy efficiency is available;

see http://www.ecma-international.org/publications/standards/Ecma-370.htm.

Model number *	M C2000	Logo	
Issue date *	7 June 2021		

Product	t environmental	attributes - Market requireme	ents (contin	ued)		Require	ment	met
Item						Yes	No	n.a
P10	Emissions							
	Noise emission	 Declared according to ISO 9296 						
P10.1	Mode	Mode description		istical upper l _c (B)	imit A-weighted sound power I	evel,		
	Idle	* Stand-by	* 29	.7				
	Operation	* Operating Mode	* B I	N: 44.9 FC:4	5.9			
	Other mode							
		rding to: ISO 7779 🔀 ECMA-74 Othe	()	if not covered	by ECMA-74)			
	Chemical emis	sions from printing products (Se	e NOTE B10)					
P10.2*	Test performed according to ECMA-328 Determination of Chemical Emission Rates from Electronic Equipment (ISO/IEC 28360), other specify: <i>RAL-UZ</i> 205				\boxtimes			
P10.3		n rate (operation phase) is (mg/h):						
	51							
	Dust colour/mo	phic devices: Ozone <i>mono 0.2 or l</i> ono 0.18 or less Styrene Colour 0. ono 0.005 or less			Benzene 0.007 or less TVOC			
	Ink devices: D	ust Styrene Ben	zene TVOC					
	NOTE: compliar	nce with maximum emission rates in	n eco labels to	be declared	in P14.			
P11		aterials for printing products						
P11.1*	A Safety Data S	heet (SDS) is available for the ink/t	oner preparat	on, even if no	t legally required (see P4.3).	\boxtimes		
P11.2*	Paper containing post-consumer recycled fibers can be used, provided that it meets the requirements of EN 12281.							
P11.3*	2-sided (duplex)) printing/copying is an integrated p	roduct function	۱.		\boxtimes		
P11.4*	The product is d	lelivered to end-user with default a	uto-duplex ena	bled.		\square		
P13	Packaging and	documentation						
P13.1*	Product package	ing material type(s): <i>Corrugated p</i> ing material type(s): <i>Plastic (LDPE</i> ing material type(s):		ght (kg): 10.3 ght (kg): 0.35	1			
P13.2*	Product plastic	primary packaging is free from PVC	;.			\boxtimes		
P13.3*		nary corrugated fiberboard packagin rered fiber content: %	ng, specify the	contained pe	ccentage of minimum post-			
P13.4*	Specify media for Electronic X, P	or user and product documentation	(tick box):					
P13.5	(Please only complete this item if paper documentation used) User and product documentation on paper media is chlorine-free: If Yes, please specify:							
	Totally chlorine-					\boxtimes		
	Elemental chlorine-free Processed chlorine-free							
P14	Voluntary prog							
P14.1	The product me	ets the requirements of the followin	g voluntary pr	ogram(s):				
	ENERGY STAR	Critoria varsiana 3.0	Da	to	Product cotogon/:			
	ENERGY STAR Eco-label:	Criteria version: 3.0 Criteria version:	Da Da		Product category: Product category: <i>MFP</i>			
			Da		i Toduoi oaicyory. mi			

NOTE B9 A Guidance document on Acoustic Noise is available;

see http://www.ecma-international.org/publications/standards/Ecma-370.htm.

NOTE B10 A Guidance document on Chemical Emissions is available;

see http://www.ecma-international.org/publications/standards/Ecma-370.htm.

Model number *	M C2000	Logo	
Issue date *	7 June 2021		

Produ	Product environmental attributes - Market requirements (concluded) Requirement m				
P15	Additional information (See NOTE B11)				
	Sound pressure level at the operator position [LpA:dB(A)]				
	Stand-by: 16.4.(dB)				
	Operating Mode: Mono: 46dB), Colour: 48.4(dB)				

NOTE B11 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.

Legal references Europe Annex B1

Legal references Europe Annex Di	
Reference	Declaration item
Directive 2011/65/EU (RoHS Directive) * * Specific exemptions apply for certain products and applications.	P1.1, P4.1, P3.1
Commission Regulation (EC) 1907/2006 (REACH Regulation), annex XVII	P1.2, P1.4, P1.6, P1.7, P4.2
Commission Regulation (EC) 1907/2006 (REACH Regulation), annex VII	P1.10
Commission Regulation (EC) 1907/2006 (REACH Regulation), Article 31, annex II)	P4.3
Commission Regulation (EC) No. 2037/2000, 2038/2000, 2039/2000, (Marketing and use of Ozone layer depleting substances)	P1.3, 5.3
Norwegian regulation relating to restrictions on the use of certain dangerous chemicals 20.12.2002	P1.5
Directive 2006/66/EC (Battery and accumulators Directive), as amended.* * These provisions shall not apply where, for safety, performance, medical or data integrity reasons, continuity of power supply is necessary and requires a permanent connection between the appliance and the battery or accumulator.	P2.1, P2.2, P2.3, P8.1
Directive 2014/35/EU (Low Voltage Directive)	P3.1
Directive 2014/30/EU (EMC Directive)	P3.1
Directive 2014/53/EU (RE Directive)	P3.1
Commission Regulation (EC) No 1275/2008 implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to ecodesign requirements for standby and off mode electric power consumption of electrical and electronic household and office equipment (Standby Regulation)	P3.1, P3.2
Commission Regulation (EC) 801/2013 amending Regulation (EC) No 1275/2008 with regard to ecodesign requirements for standby, off mode electric power consumption of electrical and electronic household and office equipment, and amending Regulation (EC) No 642/2009 with regard to ecodesign requirements for televisions	
Commission Regulation (EU) No 617/2013 of 26 June 2013 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for computers and computer servers	
Commission Regulation (EC) 1272/2008 (CLP Regulation)	P4.3, P7.19
Directive 2004/12/EC (Packaging Directive)	P5.1
Decision 97/129/EC (Secondary packaging legislation)	P5.2

Directive 2012/19/EU (WEEE directive)	P6.1
Implementing Regulation (EU) 2019/290 establishing the format for registration and reporting of producers of electrical and electronic equipment to the register.	
Commission Implementing Regulation 2017/699 establishing a common methodology for the calculation of the weight of electrical and electronic equipment (EEE) placed on the national market in each Member State and a common methodology for the calculation of the quantity of waste electrical and electronic equipment (WEEE) generated by weight in each Member State.	