



## 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.

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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 *	Mono Printer					
Commercial name *	P 310					
Model number *	P 310					
Issue date *	18 February 2022					
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.

5

Model number *	P 310	Logo	
Issue date *	18 February 2022		

<b>Product</b>	uct environmental attributes - Legal requirements			t met
Item		Yes	No	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).	$\boxtimes$		
	Comment: Legal reference has no maximum concentration value.			
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC),	$\boxtimes$		
	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).		ш	
P1.5*	Products do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the	$\boxtimes$		
	chain containing at least 48% per mass of chlorine in the SCCP (see legal reference).			
P1.6*	Parts with direct and prolonged skin contact do not release nickel in concentrations above 0,5 µg/cm²/week	$\boxtimes$		
	(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):	$\boxtimes$		
	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	$\boxtimes$		
P2.2*	symbol. Information on proper disposal is provided in user manual. (See legal reference)  Batteries or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmium. (See legal		$\overline{}$	$\overline{}$
ΓΖ.Ζ	reference)	$\boxtimes$	Ш	Ш
P2.3*	Batteries and accumulators are readily removable. (See legal reference)	$\boxtimes$	П	П
P2.4*	Documentation includes the number of cycles the (secondary) battery can withstand. (See legal reference)	<u> </u>	$\overline{\boxtimes}$	H
P2.5*	When internal batteries of a notebook computer cannot be "accessed and replaced by a nonprofessional	+		+
P2.5	user", the related text is present and legible on the external packaging (see legal reference)	Ш	$\bowtie$	
P3	Conformity verification & Eco design (ErP)			
P3.1*	The product is CE-marked to show conformance with applicable legal requirements (see legal reference).	$\square$	П	
	The Declaration of Conformity can be requested at (add link or e-mail address): reu.compliance@ricoh-		ш	ш
	europe.com			
P3.2*	The product complies with the Eco design Requirements for Energy-Related Products,		$\boxtimes$	
	(see legal reference).			
	Required information is; given in item P15 or added to this document,			
	available at (add URL):			
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	$\boxtimes$		
D4.0*	than 0,01% (see legal reference and NOTE B1).		$\overline{}$	
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)			
P4.3*	If the ink/toner formulation/preparation is classified as hazardous or contains a substance for which there			
1 4.0	are Community workplace exposure limits, the product/packaging is adequately labeled according to		ш	ш
	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	$\boxtimes$		
DE 2*	hexavalent chromium by weight of these together.  The perkeding meterials are marked with approximations and numbers indicating the nature of the meterial(a)			$\overline{}$
P5.2*	The packaging materials are marked with abbreviations and numbers indicating the nature of the material(s) used (see legal reference).			Ш
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montreal			$\overline{}$
. 0.0	Protocol (see legal reference).		Ш	ш
	Comment: Legal reference has no maximum concentration values.			
P6	Treatment information			
P6.1*	Information for recyclers/treatment facilities is available (see legal reference).	$\boxtimes$		

NOTE B1 Restriction applies to the homogeneous material, unless other specified and expressed in weight %. Stating "Yes" means that the product is compliant with the mandatory requirements.

Model number *	P 310	Logo	
Issue date *	18 February 2022		

	t environmental attributes - Market requirements (See General Note GN below) Environmental conscious design	Regu	irem	ent met
Item	*=mandatory to fill in. Additional information regarding each item may be found under P14.	Yes		n.a.
P7	Design			-
	Disassembly, recycling			
P7.1*	Parts that have to be treated separately are easily separable	$\boxtimes$		
P7.2*	Plastic materials in covers/housing have no surface coating.	$\boxtimes$		
P7.3*	Plastic parts > 100 g consist of one material or of easily separable materials.	$\boxtimes$		
P7.4*	Plastic parts > 25 g have material codes according to ISO 11469 referring ISO 1043-4.	$\boxtimes$		
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.	$\boxtimes$		
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).	$\boxtimes$		
	Product lifetime			
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives	$\boxtimes$		
P7.8*	Upgrading can be done using commonly available tools	$\boxtimes$		
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			
	Material and substance requirements			
P7.11*	Product cover/housing material type (e.g. plastics, metal, aluminum):  Material type: PC Material type: ABS Material type:			
P7.12	Insulation materials of external electrical cables are PVC free.		$\geq$	
P7.13	Insulation materials of internal electrical cables are PVC free.		$\geq$	
P7.14	External plastic casing/cover parts > 25 g contain no more than 0,1% weight (1000 ppm) bromine and 0,1% weight (1000 ppm) chlorine attributable to brominated flame retardants, chlorinated flame retardants, and polyvinyl chloride or 0,3% weight (3000 ppm) bromine and 0,3% weight (3000 ppm) chlorine in parts containing more than 25% post-consumer recycled content.	ı		
P7.15	Printed circuit boards, PCBs (without components) are low halogen: all PCBs > 25 g are low halogen as defined in IEC 61249-2-21. (See NOTE B2)	'	$\geq$	
P7.16	Flame retarded plastic parts > 25 g in covers / housings are marked according ISO 1043-4: Marking: FR(40)			
P7.17	Alt. 1: Chemical specifications of flame retardants in printed circuit boards > 25 g (without components): TBBPA (additive) , TBBPA (reactive) (See NOTE B3), Other; chemical name: , CAS #:		$\triangleright$	
	Alt. 2: Chemical specifications of flame retardants in printed circuit boards (without components) > 25 g according ISO 1043-4:		$\triangleright$	
P7.18	Alt. 1: Flame retarded plastic parts > 25 g contain the following flame retardant substances/preparations in concentrations above 0,1%:  1. Chemical name: , CAS #: (See NOTE B4)  2. Chemical name: , CAS #: "		×	
	3. Chemical name: , CAS #: "  Alt. 2: Chemical specifications of flame retardants in plastic parts > 25 g according ISO 1043-4:		$\triangleright$	
P7.19	In plastic parts > 25 g, flame retardant substances/preparations above 0,1% are used which have been assigned the following Risk phrases; and Hazard statements:		×	
	The source(s) for these classifications is/are found at (add URL(s)): , (See NOTE B5)			

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;

 $see \ \underline{http://www.ecma-internationl.org/publications/standards/Ecma-370.htm}.$ 

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 *	P 310	Logo	
Issue date *	18 February 2022		

Product	environmental att	ributes - Market red	quirements (conti	nued)		Require	ment	met
Item						Yes	No	n.a.
	Material and subst	ance requirements (c	ontinued)					
P7.20*	Postconsumer recyc	cled plastic material co	ntent is used in the pr	roduct (See NOTE B6)	:			
	*	of the two alternatives		ered; /cled plastic material co	ontent (calculated as a			
		total plastic by weight)		roica piastic material oc	ontent (calculated as a			
		ecycled material is 340	<b>0.5</b> g.					
P7.21*	Biobased plastic ma	terial content is used in	n the product (See No	OTE B7):			$\boxtimes$	
		of the two alternatives						
	<ul> <li>a) Of total plastic total plastic by</li> </ul>		he biobased plastic n	naterial content (calcul	ated as a percentage o	f		
	or b) The weight of t	he biobased plastic ma	aterial is a					
P7.22*	Light sources are fre	ee from mercury, i.e. le	ss than 0,1 mg/lamp.					
D= 00t		pecify: Number of lamp		um mercury content pe				
P7.23*	<u> </u>	an integral display, the	total mercury content	in the integrated displa	ay: <b>0</b> mg			
P8	Batteries		- b - 11	- (()				
P8.1*	-	mposition: Lithium-ior	n battery (one cell ba	attery)				
<b>P9</b>	Energy consumption		or operav consumption	ana ara rapartad:				
-	•	following power levels		-	T			
Energy mo	ode *	Power level at 100 V AC	Power level at 115 V AC	Power level at 230 V AC	Reference/Standard modes and test meth		nergy	Ш
Operating	mode	W	W	512 W				
Ready mo	do	W	W	63.8 W				_
Ready IIIO	de	VV	VV	03.8 VV				Ш
Sleep mod	de	kWh/week	kWh/week	0.72 W				П
TEC value	•	kWh/week	kWh/week	kWh/week				
		W	W	W				
		W	W	W				
		W	W	W				
		W	W	W				
		W	W	W				
External Power Supply Efficiency Level (International Efficiency Marking Protocol) *:								
Print/Scan	·	32 images per minute						
	ne to enter energy sav		-	-				
P9.2*	Information about th	e energy save function	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 <a href="http://www.ecma-international.org/publications/standards/Ecma-370.htm">http://www.ecma-international.org/publications/standards/Ecma-370.htm</a>.

Model number *	P 310	Logo	
Issue date *	18 February 2022		

Product 6	uct environmental attributes - Market requirements (continued)			Require	ment	met	
Item					Yes	No	n.a.
P10	Emissions						
		<ul> <li>Declared according to ISO 9296 (See</li> </ul>					
P10.1	Mode	Mode description	Statistical upper lin $L_{WA,c}$ (B)	nit A-weighted sound power	level,		
	Idle	* The declared A-weighted Sound	* 3.2				
	Operation	* The declared A-weighted Sound	* 7				
	Other mode						
		ding to: ISO 7779 ECMA-74 Other	(only if not covered by	oy ECMA-74)			
		ions from printing products (See NOT					
P10.2*		according to ECMA-328 Determination of	Chemical Emission R	ates from Electronic			
<b>D</b> 100		IEC 28360) , other specify:					
P10.3	Typical emission	rate (operation phase) is (mg/h):					Ш
	Electrophotograp	hic devices: Ozone 1.46 Dust <1.2 S	tyrene 0.31 Benzene Styrene Benzer				
	irik devices.	Dust	Styrene Benzer	ne ivoc			Ш
		ce with maximum emission rates in eco l	abels to be declared in	P14.			
P11		aterials for printing products					
P11.1*	A Safety Data Sh	neet (SDS) is available for the ink/toner p	reparation, even if not	legally required (see P4.3).	$\boxtimes$		
P11.2*	Paper containing EN 12281.	post-consumer recycled fibers can be u	sed, provided that it me	eets the requirements of			
P11.3*	2-sided (duplex)	printing/copying is an integrated product	function.				
P11.4*	The product is de	elivered to end-user with default auto-dup	olex enabled.		$\boxtimes$		
P13	Packaging and						
P13.1*	Product packagir Product packagir	ng material type(s): <b>EPE</b> weight	weight (kg): 1.826 (kg): 0.295 (kg): 0.037 (kg): 0.6				
P13.2*		rimary packaging is free from PVC.			$\boxtimes$		
P13.3*		ary corrugated fiberboard packaging, spered fiber content:	ecify the contained per	centage of minimum post-			$\boxtimes$
P13.4*	Specify media for Electronic , Pa	r user and product documentation (tick baper	ox):				
P13.5		uplete this item if paper documentation use t documentation on paper media is chlor ecify:			$\boxtimes$		
	Totally chlorine-fi Elemental chlorin						
	Processed chlori	ne-free					
P14	Voluntary progr						
P14.1	The product mee	ts the requirements of the following volu	ntary program(s):				
	ENERGY STAR® Eco-label: <b>BAM</b> Eco-label:	Criteria version: See P9.1 Criteria version: Criteria version:	Date: Date: Date:	Product category: Product category: Product category:			

NOTE B9 A Guidance document on Acoustic Noise is available;

 $see \ \underline{\text{http://www.ecma-international.org/publications/standards/Ecma-370.htm}}.$ 

NOTE B10 A Guidance document on Chemical Emissions is available;

 $see \ \underline{http://www.ecma-international.org/publications/standards/Ecma-370.htm}.$ 

Model number *	P 310	Logo
Issue date *	18 February 2022	

Product environmental attributes - Market requirements (concluded) Require					
P15 Additional information (See NOTE B11)					

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

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
	P4.3, P7.19 P5.1

## Directive 2012/19/EU (WEEE directive) 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.