



Ecma/TC38-TG3/2015/025 (Rev. 1 – 15 April 2015)

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 *	icoh Company Ltd.			
Contact information *	RICOH Europe SCM B.V., Blankenweg 24			
e-mail address	4612 RC Bergen op Zoom, Netherlands			
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 *	of product * MFP			
Commercial name *	IM 430F			
Model number *	IM 430F			
Issue date *	09 January 2019			
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 nu	ımber *	IM 430F	Logo					
Issue dat	e *	09 January 2019						
Product	Product environmental attributes - Legal requirements				Requirement met			
Item				Yes	No	n.a.		
P1		ous substances and preparations	OTE DAY		_			
P1.1*		s do comply with the current European RoHS Directive. (See legal reference and N	OTE B1)	\boxtimes				
P1.2*		s do not contain Asbestos (see legal reference). nt: Legal reference has no maximum concentration value.						
P1.3*		s do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC),						
1 1.0	hydrobro trichloro	omofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrachethane, methyl bromide (see legal reference). Comment: Legal reference has no mation values.						
P1.4*		s do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polych l (PCT) in preparations (see legal reference).	lorinated					
P1.5*	Products	s do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 carl ntaining at least 48% per mass of chlorine in the SCCP (see legal reference).	bon atoms	in the				
P1.6*	(see leg	th direct and prolonged skin contact do not release nickel in concentrations above (al reference). nt: Max limit in legal reference when tested according to EN1811:2011-5.),5 μg/cm²/	week 🔀				
P1.7*		Article 33 information about substances in articles is available at (add URL or mail	contact):					
P2	Batterie	s						
P2.1*		oduct contains a battery or an accumulator, the battery/accumulator is labeled with Information on proper disposal is provided in user manual. (See legal reference)	the dispos	al 🔀				
P2.2*	Batteries or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmium. (See legal reference)			legal 🔀				
P2.3*	Batteries	and accumulators are readily removable. (See legal reference)		\square				
P3	Conform	nity verification & Eco design (ErP)						
P3.1*	The prod	duct is CE-marked to show conformance with applicable legal requirements (see legal requirements) and conformity can be requested at (add link or e-mail address): emo@rico						
P3.2*	The prod	duct complies with the Eco design requirements for energy-related products, al reference).						
	Required information is; given in item P15 or added to this document,			\boxtimes				
	available at (add URL):							
P4	Consun	nable materials						
P4.1*		o conductor (drum, belt etc.) is used in the product, it does not contain cadmium ma erence and NOTE B1).	ax 0,01% (see 🔀				
P4.2*	If ink/ton	er is used in the product, it does not contain cadmium max 0,1% by weight (see leg	gal referen	ce).				
P4.3*	are Com applicab	/toner formulation/preparation is classified as hazardous or contains a substance for munity workplace exposure limits, the product/packaging is adequately labeled accurate le regulations and a Safety Data Sheet (SDS) in accordance with these requiremental reference).	ording to					
P5		packaging						
P5.1*		ng and packaging components do not contain more than 0,01% lead, mercurent chromium by weight of these together.	y, cadmiui	m and 🔀				
P5.2*	used (se	kaging materials are marked with abbreviations and numbers indicating the nature se legal reference).						
P5.3*	The pro Protocol Comme	duct packaging material is free from ozone depleting substances as specified (see legal reference). nt: Legal reference has no maximum concentration values.	in the Mo	ontreal 🔀				
P6		nt information						
P6.1*	Informati	on 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 *	IM 430F	
Issue date *	09 January 2019	

	environmental attributes - Market requirements (See General NOTE GN below)	Di		
-				t met
Item P7	*=mandatory to fill in. Additional information regarding each item may be found under P14. Design		No	n.a.
F/	Disassembly, recycling			
P7.1*	Parts that have to be treated separately are easily separable			
P7.2*	Plastic materials in covers/housing have no surface coating.		Ħ	
P7.3*	Plastic parts > 100 g consist of one material or of easily separable materials.		H	-H
P7.4*	Plastic parts > 25 g have material codes according to ISO 11469 referring ISO 1043-4.		Ħ	
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.		Ħ	
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).		Ħ	
	Product lifetime			
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives		П	
P7.8*	Upgrading can be done using commonly available tools		Ħ	
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+ABS-(TD+MD) Material type: Material type:			
P7.12	Insulation materials of external electrical cables are PVC free.			
P7.13	Insulation materials of internal electrical cables are PVC free.		\boxtimes	
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.			
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)			
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 #:			
	Alt. 2: Chemical specifications of flame retardants in printed circuit boards (without components) > 25 g according ISO 1043-4:			
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 #: "		\boxtimes	
	3. Chemical name: , CAS #: "	\square		
P7.19	Alt. 2: Chemical specifications of flame retardants in plastic parts > 25 g according ISO 1043-4: <i>FR(40)</i> In plastic parts > 25 g, flame retardant substances/preparations above 0.1% are used which have been			
17.15	assigned the following Risk phrases; and Hazard statements:			
P7.20*	The source(s) for these classifications is/are found at (add URL(s)): , (See NOTE B5) Postconsumer recycled plastic material content is used in the product (See NOTE B6):	\square	$\overline{\Box}$	
	If YES; at least one of the two alternatives below shall be answered; a) Of total plastic parts' weight > 25 g, the postconsumer recycled plastic material content (calculated as a percentage of total plastic by weight) is 5%. or b) The weight of recycled material is 761 g.			

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-international.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.

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.

Model nun	number * IM 430F								
Issue date	sue date * 09 January 2019								
Product environmental attributes - Market requirements (continued)					rement	met			
Item	···			Yes	s No	n.a.			
P7.21*	Material and substance requirements (continued)								
F1.21							Ш		
			of the two alternatives		vered; material content (calcula	ited as a nercentage	of		
			weight) is 0.001%.	ine biobasea piastic	material content (calcula	ned as a percentage	OI .		
	or		ha kishaa dalaada	aradalda o o o					
			the biobased plastic ma						
P7.22*			ee from mercury, i.e. le pecify: Number of lamp		o. num mercury content per	lamn: ma	\boxtimes		
P8	Batteries		pecity. Nutriber of lattic	os. and maxii	num mercury content per	lamp: mg			
P8.1*			mposition: Manganese	e dioxide lithium ba	atterv				
P9			on (See NOTE B8)						
P9.1			following power levels	or energy consumpt	ions are reported:				
Energy mo			Power level at	Power level at	Power level at	Reference/Standard	l for	energy	
Liloigy illo	uo		100 V AC	115 V AC	230 V AC	modes and test met		onorgy	ш
Sleep mod	e for ENEI	RGY	W	W	W				\boxtimes
STAR® Op		Mode							
(OM) produ			W	W	W				
Standby/off mode for ENERGY STAR Operational			VV	VV	VV				
Mode (OM)									
TEC value for ENERGY STAR		kWh/week	kWh/week	0.55 kWh/week					
TEC produ									
(TEC= Typ		У							
Operating			W	W	624,6 W				Ш
Ready mo	de		W	W	91,5 W				
Sleep mod	le		W	W	0,79 W				
			W	W	W				
			W	W	W				Ħ
			W	W	W				$\overline{}$
Evternal Do	ower Supp	ly Efficienc							
			<u> </u>	Inclency Marking I	10(000)				
Print/Scan			43 images per minute						Ш
Default time	e to enter	energy sav	e mode: 1 minutes						
P9.2*	Information	on about th	e energy save function	n is provided with the	e product.		\boxtimes		
P10	Emission	ns							
			Declared according to I						
P10.1	Mode	M	ode description		Statistical upper limit A-we	eighted sound power l	level,		
					_{-WA,c} (B)				
	Idle	*	stand-by	*	3,3				
	Operation		Operating Mode	*	6,5				
	Other mo	ode							
	Measure	d according	g to: 🔀 ISO 7779 🗌	ECMA-74				_	
	Other (only if not covered by ECMA-74)								

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

NOTE B9 A Guidance document on Acoustic Noise is available; see http://www.ecma-international.org/publications/standards/Ecma-370.htm

Model nun	nber *	IM 430F				
Issue date	ue date * 09 January 2019					
Product 6	environ	mental attributes - Market requirements (continued) Re	quire	ment	met	
Item			Yes	No	n.a.	
	Chemical emissions from printing products (See NOTE B10)					
P10.2*		rformed according to ECMA-328 Determination of Chemical Emission Rates from Electronic	\boxtimes			
		ent (ISO/IEC 28360) , other specify: RAL-UZ205				
P10.3	Typical	emission rate (operation phase) is (mg/h):				
	Electrop	photographic devices: Ozone <0.2 Dust <0.18 Styrene 0.056 Benzene <0.007 TVOC 2				
	Ink devi	ices: Dust Styrene Benzene TVOC				
	Note: co	ompliance with maximum emission rates in eco labels to be declared in P14.				
P11		mable materials for printing products				
P11.1*	A Safet	y Data Sheet (SDS) is available for the ink/toner preparation, even if not legally required (see P4.3).	\boxtimes			
P11.2*	Paper of EN 122	containing post-consumer recycled fibers can be used, provided that it meets the requirements of 81.	\boxtimes			
P11.3*	2-sided	(duplex) printing/copying is an integrated product function.	\boxtimes			
P11.4*	The pro	duct is delivered to end-user with default auto-duplex enabled.	\boxtimes			
P13		ing and documentation				
P13.1*		t packaging material type(s): corrugated paper weight (kg): 3,73				
		t packaging material type(s): plastic (LDPE) weight (kg): 0,189				
P13.2*		t packaging material type(s): weight (kg): t plastic primary packaging is free from PVC.	\square			
P13.3*						
F 13.3	For product primary corrugated fiberboard packaging, specify the contained percentage of minimum post-consumer recovered fiber content:					
D40.4*						
P13.4*		media for user and product documentation (tick box): nic , Paper , Other ,			Ш	
P13.5						
F 13.3	(Please only complete this item if paper documentation used) User and product documentation on paper media is chlorine-free:					
		please specify:				
		chlorine-free	\square			
	Elemental chlorine-free					
	Processed chlorine-free					
P14		ary programs:				
P14.1		duct meets the requirements of the following voluntary program(s):				
	FNFRG	SY STAR® Criteria version: 3.0 Date: Product category:				
	_	rel: BAM Criteria version: RAL-UZ205 Date: Product category: MFP				
	Eco-lab	el: Criteria version: Date: Product category:				
P15		nal information (See NOTE B11)				
		pressure level at the operator position [LpA:dB(A)]				
		by 21,7(dB) ing mode 55,3(dB)				
-	Operal	ing mode ou, o(db)				

NOTE B10 A Guidance document on Chemical Emissions is available; see http://www.ecma-international.org/publications/standards/Ecma-370.htm

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
(EC) 1907/2006(REACH, Annex XVII	P1.2, P1.4, P1.6, P1.7, P4.2
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
"REACH" Regulation (1907/2006), annex VII	P1.10
Directive 2013/56/EC (Battery and accumulators Directive) * * 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 2006/95/EC (Low Voltage Directive)	P3.1
Directive 2004/108/EC (EMC Directive)	P3.1
Directive 1999/5/EC (R&TTE Directive)	P3.1
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	P3.1, P3.2
Regulation (EC) 1907/2006 (REACH Regulation), Article 31, annex II)	P4.3
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