

Product environmental attributes - IT ECO Declaration 2003

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| Manufacturer | Acer | |
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|---|---|--|
| This declaration covers the below listed Information Technology product categories* with specified product identity (ID) such as type/model number. | | |
| <input checked="" type="checkbox"/> Computer system unit CPU | <input type="checkbox"/> Mobile/portable computer | <input type="checkbox"/> Server |
| <input type="checkbox"/> Display/ monitor | <input type="checkbox"/> Keyboard | Digital <input type="checkbox"/> Projector <input type="checkbox"/> Camera |
| <input type="checkbox"/> Printer <input type="checkbox"/> Copier <input type="checkbox"/> Fax <input type="checkbox"/> Multifunction product <input type="checkbox"/> Scanner | <input type="checkbox"/> Other product, specify: | |
| <input type="checkbox"/> Black/white <input type="checkbox"/> Color. Pages per minute: | | |
| Product Identity | AcerPower S280 | |
| Guideline document | Version of Guideline document used for completion of this declaration (yyyy-mm-dd): GUIDELINE Final September 2003 | |

*For Telecommunication products, use special ECO declarations found at: www.itecodeclaration.org

This IT ECO Declaration consists of three documents:

Company Environmental Profile – Divided in to two sections; Legal and Market requirements
 Product Environmental Attributes – Divided in to two sections; Legal and Market requirements and
 Guideline document with extensive clarifications, comments and references.

The latest version of all these documents can be downloaded from: www.itecodeclaration.org

Notes:

Voluntary vs compulsory requirements: Items marked **V** are voluntary to answer, all other items must be answered.
 The latest version of the Guideline document must be used. Specify in table above according to which version of the guideline document this declaration has been completed.
 This version of the IT ECO Declaration is adjusted to the document "Product-related Environmental Attributes", issued by the European Association for Standardizing Information and Communication Systems (ECMA), TR/70, version 1999.
 This version of the IT ECO Declaration meets the basic principles of ISO14021:1999, Environmental labels and declarations – Self-declared environmental claims (Type II environmental labelling).

This IT Eco Declaration version can be used from October 1st and shall be used for products announced after December 1st 2003.

The IT Eco Declaration is a system for declaration of environmental aspects of IT and Telecom products, developed by the Nordic IT organisations, ITB in Denmark, IKT-Norge in Norway and IT-Företagen in Sweden. This IT Eco Declaration may only be used after having signed a contract with at least one of these organisations.



Association of the Swedish IT and Telecom Industry
www.itforetagen.se



Norwegian IT-companies Organisation
www.ikt-norge.no



IT-Brancheforeningen Kontor & Data
www.itb.dk

| Product environmental attributes - Legal requirements | | | | |
|--|--|-------------------------------------|--------------------------|-------------------------------------|
| Item | | Requirement met | | |
| | | Yes | No | n.a. |
| P1 | Environmental conscious design | | | |
| P1.1 | The product is free from, i.e. less than 0.1% by weight (b.w.), CFCs& HCFCs, asbestos and PCB & PCT (3093/94/EEC, 76/769/EEC, 6th amendment, 99/77/EEC, 82/828/EEC) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| P1.2 | Components are free from, i.e. less than 0.1% b.w., mercury (Hg), except for small amounts of mercury which are allowed in light sources. (SE SFS 1998:944) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| P1.3 | Cadmium (Cd) content of colorants, stabilizers, and surface treatments does not exceed, 0.01% b.w., as specified in 76/769/EEC, 10th amendment, 1991/338/EEC. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| P1.4 | Paints are free from lead (Pb), i.e. less than 0.1% b.w., (76/769/EEC, 8th amendment, 89/677/EEC) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| P1.5 | Paints, coatings, plastics, rubbers and seals are free from flame retardants and / or plasticizers containing Short Chain Chlorinated Paraffines (SCCPs) with more than 0,1% by weight, 10-13 carbon atoms, minimum 48% chlorine by weight, CAS number 63449-39-8 (NO MVD regulation 1544, 2000.12.13) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| P1.6 | If the product is intended for direct and prolonged skin contact, the surfaces do not release nickel (Ni) above levels specified in (76/769/EEC, 8th amendment, 94/27/EEC) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| P2 | Batteries | | | |
| P2.1 | If hazardous batteries are used in the product, they are labelled. (93/86/EEC). | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| P2.2 | If batteries are used in the product they are free (<0.0005% by weight) from mercury (Hg) (98/101/EC) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| P3 | Electrical safety, EMC and connection to the telephone network | | | |
| P3.1 | The product meets the Low Voltage Directive (LVD) regarding electrical safety (73/23/EEC & 93/68/EEC) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| P3.2 | The product meets the EMC Directive regarding electromagnetic compatibility (89/336/EEC) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| P3.3 | If product is intended for connection to a public telecom network or contains a radio transmitter, it meets the EU R&TTE Directive (1999/5/EC) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| P3.4 | The product is CE-marked (93/68/EEC) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| P4 | Consumable materials | | | |
| P4.1 | If a photo conductor (drum, belt etc.) is used in the product, it is free (<0.01% by mass) from cadmium (Cd) (76/769/EEC and 91/338/EEC) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| P4.2 | If an ink is used in the product, it is free (<0.01% by mass) from cadmium (Cd) (91/338/EEC) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| P4.3 | If toner/ink (or corresponding) are used in the product, they are classified and if required labelled in accordance with EU directives | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| P5 | Packaging materials | | | |
| P5.1 | The sum of the concentration levels of lead, cadmium, mercury, and hexavalent chromium present in packaging or packaging components does not exceed 0.01% by weight (100 ppm). (94/62/EC). | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| P5.2 | The product packaging material is free from CFC/HCFC. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| This product meets above listed legal requirements | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |

| Product environmental attributes - <u>Market requirements</u> | | | |
|---|--|---------------------------------------|--|
| Item | | V = Voluntary to answer. | Requirement met Yes No n.a. |
| P6 | Environmental conscious design | | |
| | Disassembly, recycling | | |
| P6.1 | Glueing / welding of different material has been avoided | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| P6.2 | Plastic materials in covers / housing have not been surface coated. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| P6.3 | Mechanical plastic parts >100g, consist of one material or of easily separable materials. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| P6.4 | Plastic parts >25g, have material codes according to ISO 11469, which includes ISO 1043, part 1-4 <input checked="" type="checkbox"/> Part 1 <input type="checkbox"/> Part 2 <input type="checkbox"/> Part 3 <input type="checkbox"/> Part 4 | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| P6.5 | Plastic parts are free from metal inlays that cannot be removed by one man alone with commonly available tools. | V <input type="checkbox"/> | <input type="checkbox"/> |
| P6.6 | If labels are required they should be separable. (This requirement does not apply to safety labels.) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| | Product lifetime | | |
| P6.7 | Upgrading of the product can be done with commonly available tools | <input checked="" type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> |
| P6.8 | Processor, memory and cards of various types can be changed/upgraded. | <input checked="" type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> |
| P6.9 | Hard disk, CD/DVD drives and / or floppy drive can be changed/upgraded. | <input checked="" type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> |
| P6.10 | Spare parts are available after end of production for 3 years | V <input type="checkbox"/> | ← Value <input type="checkbox"/> |
| | Material requirements | | |
| P6.11 | Plastic parts >25g are free from PBB/PBDE, i.e less than 0.1% b.w. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| P6.12 | Plastic parts >25g are free from flame retardant substances/preparations above 0.1% classified as R45/46, R50/51/52/53 and R60/61 (67/548/EEC) | V <input type="checkbox"/> | <input type="checkbox"/> |
| P6.13 | Chemical specification of flame retardants in plastic parts >25g according to ISO 1043-4 declared below: Product cover/ housing: ABS <input checked="" type="checkbox"/> Not flame retarded Printed circuit boards: T.B.B.A <input type="checkbox"/> Not flame retarded Other plastic parts, Fans: PBT <input checked="" type="checkbox"/> Not flame retarded | | ← Info |
| P6.14 | Product cover/housing material type, specified according to ISO 1043-1 Material type: >ABS< Material type: >Fe+Zn< Material type: | | ← Info |
| P6.15 | Electrical cable insulation material specification <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other | | ← Info |
| P6.16 | Light sources are free from mercury, i.e less than 0.1% b.w. If mercury is used specify: Number of lamps 1 & Max. Mercury per lamp 5 mg | V <input type="checkbox"/> | <input type="checkbox"/> <input checked="" type="checkbox"/> |
| P6.17 | Mechanical plastic parts > 25g are free from lead (Pb), i.e. less than , 0.1% b.w. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| P6.18 | Product is free from beryllium (Be) and beryllium oxide (BeO), i.e. less than 0.1% b.w. | V <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| P7 | Batteries | | |
| P7.1 | Product is free from batteries defined as hazardous (91/157/EEC) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| P7.2 | Batteries are used that meet the EU Eco-label criteria (2001/687/EC & 2001/686/EC) | V <input checked="" type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> |
| P8 | Energy consumption | | |
| P8.1 | Maximum power: 235.4 W Operation: 160.4 W Low power mode: 93.4 W Off mode W Sleep mode 1.6 W Deep Sleep mode W If Product is in Stand by mode, it reverts to: Low power mode in min; Sleep mode in 20 min; Deep sleep mode in min; Off mode in min | V <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> |
| P8.2 | Automatic 2-sided printing/copying from 1-sided originals. | <input type="checkbox"/> | <input type="checkbox"/> <input checked="" type="checkbox"/> |
| P8.3 | Information about the energy save function is given in the user documentation. (Not applicable when no instruction is needed to operate the energy save function, i.e. the energy save function cannot be adjusted or inhibited by the user.) | <input checked="" type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> |
| P8.4 | The product meets the requirements of ENERGY STAR®. | <input checked="" type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> |
| P8.5 | The product meets the requirements of GEEA. | V <input checked="" type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> |
| P8.6 | Display meets the energy save requirements of EU Eco-label (2001/686/EC & 2001/687/EC). Desktop or portable computer meets the energy save requirements of EU Eco-label (2001/686/EC & 2001/687/EC) | V <input type="checkbox"/> | <input type="checkbox"/> <input checked="" type="checkbox"/> |

| Item | V = Voluntary to answer. | | Requirement met | | |
|--|---|--------------------------------|---|---------------------------------------|-------------------------------------|
| | | | Yes | No | n.a. |
| P9 Noise characteristics (Measured and declared according to ISO 7779 and ISO 9296) | | | | | |
| P9.1 | Declared A-Weighted Sound Power Level, LWAd (1B = 10 dB) Operating Mode: L _{WAd} : B | | Idling Mode: L _{WAd} : B | ←Value | <input type="checkbox"/> |
| P9.2 | The product meets the acoustic noise requirement of: | | TCO | V <input type="checkbox"/> | <input type="checkbox"/> |
| | | | Blue Angel | V <input type="checkbox"/> | <input type="checkbox"/> |
| | | | EU Flower | V <input type="checkbox"/> | <input type="checkbox"/> |
| | | | Nordic Swan | V <input type="checkbox"/> | <input type="checkbox"/> |
| P9.3 | Declared A-Weighted Sound Pressure Level, L _{pAm} (measured at the Operator Position if applicable; otherwise measured at the 1m Bystander Positions). For PC tower, check the test to determine L _{pAm} : <input checked="" type="checkbox"/> table top <input type="checkbox"/> floor standing Check the test used to determine L _{pAm} : <input checked="" type="checkbox"/> Operator Position <input type="checkbox"/> Bystander Positions Operating Mode: L _{pAm} : 44.2 dB | | Idling Mode: L _{pAm} : 27.2 dB | ←Value | <input type="checkbox"/> |
| P10 Emissions | | | | | |
| Chemical emissions | | | | | |
| P10.1 | Dust: mg/m ³ , tested according to RAL-UZ <input type="checkbox"/> , other standard <input type="checkbox"/> , specify: | | | ←Value | <input checked="" type="checkbox"/> |
| | Meets the dust emission requirement of: | | TCO | V <input type="checkbox"/> | <input type="checkbox"/> |
| | | | Blue Angel | V <input type="checkbox"/> | <input type="checkbox"/> |
| | | | Nordic Swan | V <input type="checkbox"/> | <input type="checkbox"/> |
| P10.2 | Ozone: mg/m ³ , tested according to RAL-UZ <input type="checkbox"/> , other standard <input type="checkbox"/> , specify: | | | ←Value | <input checked="" type="checkbox"/> |
| | Meets the ozone emission requirement of: | | TCO | V <input type="checkbox"/> | <input type="checkbox"/> |
| | | | Blue Angel | V <input type="checkbox"/> | <input type="checkbox"/> |
| | | | Nordic Swan | V <input type="checkbox"/> | <input type="checkbox"/> |
| P10.3 | Styrene: mg/m ³ tested according to RAL-UZ <input type="checkbox"/> , other standard <input type="checkbox"/> , specify: _____ | | | ←Value | <input checked="" type="checkbox"/> |
| | Meets the styrene emission requirement of: | | TCO | V <input type="checkbox"/> | <input type="checkbox"/> |
| | | | Blue Angel | V <input type="checkbox"/> | <input type="checkbox"/> |
| | | | Nordic Swan | V <input type="checkbox"/> | <input type="checkbox"/> |
| Electromagnetic emissions | | | | | |
| P10.4 | Display/monitor/portable computer meets the requirement for low frequency electromagnetic fields in: | | MPR-II | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | TCO | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | prEN50279- A <input type="checkbox"/> , -B <input type="checkbox"/> , -C <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| P11 Consumable materials | | | | | |
| P11.1 | The photo conductor is free from selenium. | | | <input type="checkbox"/> | <input type="checkbox"/> |
| P11.2 | If the photo conductor contains selenium there is a system for waste recovery. | | | <input type="checkbox"/> | <input type="checkbox"/> |
| P11.3 | Safety data sheet/Material Safety Data Sheet (SDS / MSDS) is available for toner/ ink (99/45/EC & 2001/58/EC) | | | V <input type="checkbox"/> | <input type="checkbox"/> |
| P11.4 | Paper containing recycled fibres and meeting the requirements of ENV 12281:1996, can be used in the product. | | | V <input type="checkbox"/> | <input type="checkbox"/> |
| P12 Ergonomics | | | | | |
| P12.1 | The computer system meets the ergonomic requirements of EN 29241-3, -7, -8 for CRT displays and EN-ISO 13406-2 for flat panel displays. | | | <input type="checkbox"/> | <input type="checkbox"/> |
| P12.2 | The product keyboard meets the requirements of ISO 9995 and EN 29241-4. | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| P12.3 | The computer input device meets the requirements of ISO 9241 part 9. | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| P13 Packaging and documentation | | | | | |
| P13.1 | Product packaging: | Material type: Printing carton | weight: 1394 g | | <input type="checkbox"/> |
| | | Material type: PE bags | weight: 98 g | ←Value | <input type="checkbox"/> |
| | | Material type: Cushion-EPE | weight: 136 g | | <input type="checkbox"/> |
| P13.2 | Plastic packaging material is marked according to DIN 6120, ISO 11469 or ISO 1043,1-4. | | | V <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| P13.3 | Product plastic packaging is free from chlorine | | | V <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| P13.4 | User and product documentation are free from chlorine bleached paper | | | V <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| P14 Additional information | | | | | |
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