Basic Criteria for Award
of the Environmental Label

Recycled Toner Modules for Electrophotographic Printers, Copiers and Multi-Function Devices

RAL-UZ 177

August 2013

RAL gGmbH

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1 Introduction

1.1 Preface

Die Environmental Label Jury has set up these Basic Criteria for Award of the Blue Angel Eco-Label in co-operation with the Federal Minister for the Environment, Nature Conservation and Nuclear Safety, the German Umweltbundesamt (Federal Environmental Agency) and considering the results of expert hearings conducted by RAL gGmbH. RAL gGmbH has been tasked with awarding the Environmental Label.

Upon application to RAL gGmbH and on the basis of a Contract on the Use of the Environmental Label to be concluded with RAL gGmbH the permission to use the Blue Angel eco-label may be granted for all products, provided that they meet the requirements specified hereinafter.

1.2 Objectives of the Blue Angel Eco-Label

Toner modules for office equipment for electrophotographic printing, such as laser printers, copiers and multifunction devices, are replaced once the monochrome or colour toner powder therein is used up. The large volume of use of these devices results in a huge waste of several million empty modules per year, unless the empty modules are recycled and reused.

The aim of awarding the Blue Angel to recycled toner modules is to reduce the amount of waste and, thus, help to protect resources. Also, requirements have been established for the materials used, the monochrome or colour toners as well as the serviceability properties of toner modules.

Particle emissions from electrophotographic office machines emit particles have been a known issue for some time and, so far, these emissions have been dealt with as particulate matter under the Blue Angel award criteria for Office Equipment with Printing Function (RAL-UZ 122) as well as under those for Recycled Printing Modules Refilled with Toner (RAL-UZ 55). Electrophotographic office machines – especially LED or laser printers - have entered the public discourse because of the emissions of ultrafine particles during printing. The revised award criteria for the Blue Angel for Office Equipment with Printing Function as well as those for Recycled Toner Modules react to the public discourse regarding the emissions from electrophotographic printers and possible health risks of fine and ultrafine particles.

Electrophotographic office equipment with printing function - which, in the future, will be covered by the new Blue Angel RAL-UZ 171 - meets stringent requirements for the re-

lease of fine and ultrafine particles during printing. Following the revision of the Basic Criteria for recycled toner modules the emission-limiting requirements for the Blue Angel eco-label for electrophotographic office equipment also apply to toner modules. The aim is to make Blue Angel eco-labelled recycled toner modules available to interested suppliers and users that, in combination with low-emission office equipment in accordance with RAL-UZ 171, meet the stringent requirements for the release of fine and ultrafine particles during printing.

2 Scope

These Basic Criteria apply to recycled toner modules filled with monochrome or colour toner powder for use in RAL-UZ 171-certified office equipment with electrophotographic printing function. The toner modules may contain additional parts required for printing that can be used on office equipment with printing function.

Recycled toner modules for other office equipment with electrophotographic printing function can be awarded the Blue Angel eco-label according to RAL-UZ 55.

3 Requirements

3.1 Requirements for Toner Modules and the Process of Recycling

3.1.1 Collection and Disposal

The applicant shall be able to provide proof of an efficient collection service. Within the scope of such service empty and used toner modules (including their components) supplied by the applicant shall be taken back for the purpose of recycling. If the applicant is not certified under DIN EN ISO 14001 the operator of a collection service shall be certified under DIN EN ISO 14001 or present an equivalent process description.

Where, for technical reasons, the toner modules cannot be recycled or refilled again in compliance with the process steps described in DIN 33870-1[1] or DIN 33870-2[2] the applicant shall, nevertheless, ensure the return as well as a proper utilization and disposal of the used products.

[1] DIN 33870-1:2012-03: *Draft Standard* - Office machines - Requirements and tests for the preparation of refilled toner modules for electrophotographical printers, copiers and facsimile machines - Part 1: Monochrome; Following the publication of the standard the then applicable version shall be used.

The applicant shall make sure that toner residues are packed in dust-proof containers and delivered to material or thermal utilization facilities.

Compliance Verification

The applicant shall declare compliance with the requirements in Annex 1 to the Contract pursuant to RAL-UZ 177 and give details of its take-back scheme (Annex 2).

3.1.2 Recycling

The toner modules shall be recycled in accordance with recycling instructions detailing the recycling process. The functionality of the toner modules shall be ensured by tests and documented in accordance with DIN 33870-1 or DIN 33870-2. Recycling shall include and document the following:

- Incoming goods inspection and marking of quality-relevant components, such as purchased parts and raw materials.
- Inspection of empty and used toner modules. The applicant shall ensure the use of empty modules which had been marketed by original equipment manufacturers (OEM) or recycled in accordance with DIN 33870-1 and -2.

  Recycling shall at least include the following process steps process steps:

  - Disassembly of the toner module to the extent required for compliance with quality requirements;
  - Removal of the residual toner;
  - Cleaning of the components intended for reuse;
  - Removal or permanent rendering unrecognizable of OEM part number and OEM logo;
  - Filling of the toner containers with the specified amount and type of toner as shown in the parts list;
  - Assembly of the specified components according to the parts list;
  - Testing of the functionality of each toner module on a printer;
  - Optical test of the finished toner module;
  - Marking of the toner modules with a serial or lot number to ensure the traceability of the recycling process.

[2] DIN 33870-2:2012-11: *Draft Standard- Office* machines - Requirements and tests for the preparation of refilled toner modules for electrophotographical printers, copiers and facsimile machines- Part 2: 4-Colour-printers; Following the publication of the standard the then applicable version shall be used.

The recycled toner modules shall contain a minimum of 75% (weight percent) recycled material, not counting the amount of toner filled in. Excluded are parts with a direct impact on the print quality (e.g. photoconductor drum).

In the case of recycled toner modules the efficiency of which is at least 50 percent greater than that of the original toner module (efficiency rate ≥ 1.5 according to DIN 33870-1 or DIN 33870-2, cf. para. 3.1.3) the weight of the replaced toner containers shall be left out of account when calculating the percentage of recycled parts.

As a rule, recycled toner modules shall undergo further recycling cycles to achieve a minimum five-time reuse (if technically possible).

Compliance Verification

The applicant shall declare compliance with the requirements in Annex 1 to the Contract pursuant to RAL-UZ 177 and indicate the percentage of reused parts in weight percent (± 5%) for each type of module.

3.1.3 Requirements for Housing Parts

New parts added to the toner modules by the applicant by way of addition or replacement shall not contain halogenated polymers.

These plastic parts shall not contain PBDEs (polybrominated diphenyl ethers) or PBBs (polybrominated biphenyls) as flame retardants.

Plastic parts over 25 grams in weight shall be marked in accordance with ISO 11469:2000 taking ISO 1043, Parts 1 to 4, into account.

Compliance Verification

The applicant shall declare compliance with the requirements in Annex 1 to the Contract pursuant to RAL-UZ 177.

3.1.4 Documentation

The origin of the collected empty toner modules to be recycled as well as the recycling process shall be documented in accordance with the requirements of DIN 33870-1 or DIN 33870-2:

- Parts lists shall exist for each toner module to be recycled showing which original components or alternative components are used. The components used shall be documented for each production lot. New or reused parts shall be marked in the parts list.

- The applicant shall name - for each production lot of recycled toner modules - the new or recycled parts used and document the percentage of the reused parts in accordance with para. 3.1.2 (in weight percent) as well as the toner refill amounts.

The records and results shall be reviewed, verified and confirmed as a test report according to Annex 3 to the Contract pursuant to RAL-UZ 177 by an independent expert body at the recycling site for post-consumer toner modules.
Independent expert bodies are:

- Independent environmental verifiers according to Section 9 Umweltauditgesetz[3] (Environmental Audit Act) for sector 38 (recycling, waste disposal) or

- Publicly appointed experts according to Section 36 of the German Gewerbeordnung[4] (Industrial Code) for the fields of waste recycling, waste technology, plastic waste recycling, plastics technology or packaging disposal, or

- an environmental verifier in accordance with Regulation (EC) No 1221/2009, Article 2, Definition No. 20. If the environmental verifier is an organisation of environmental verifiers (that is to say, not a natural person) the organisation shall separately list the names of the persons responsible for conducting the test.

Compliance Verification

The distributor shall, once a year, submit a confirmation according to Annex 3. Such confirmation shall be submitted to RAL gGmbH by the end of the first quarter of the following year.
To provide evidence of technical knowledge the confirmation shall be accompanied by either a copy of the license of the environmental verifier or a copy of the certificate of appointment of the publicly appointed expert (Annex 4).

[3] Umweltauditgesetz (UAG) – German Environmental Audit Act of 6 December 2011, Federal Law Gazette I p. 2509

[4] Gewerbeordnung – GewO (German Industrial Code), Revised version of 22 Februar 1999, Federal Law Gazette I

3.1.5 Labelling

3.1.5.1 Toner Modules

Recycled toner modules shall be clearly labelled as such in accordance with paragraph 10.2 of German standards DIN 33870-1 or -2. It is recommended to additionally display the Blue Angel logo (RAL-UZ 177) on the toner module.

Compliance Verification

The applicant shall declare compliance with the requirements in Annex 1 to the Contract pursuant to RAL-UZ 177 and attach supporting documents to the application.

3.1.5.2 Packaging

The information on the packaging shall meet the requirements of para. 10.3 of German standards DIN 33870-1 or 33870-2. The Blue Angel logo (RAL-UZ 177) shall be additionally displayed on the packaging.

Board packaging should be preferentially made of recycled materials. Plastics used in packaging must not contain halogenated polymers. The plastics used shall be marked in accordance with the German Verpackungsverordnung (Packaging Ordinance), as amended. Recycled plastics should be preferentially used.

Compliance Verification

The applicant shall declare compliance with the requirements in Annex 1 to the Contract pursuant to RAL-UZ 177 and specify the packaging material.

3.1.5.3 User Information and Instructions for Toner Module Handling

The user information shall meet the requirements of para. 10.4 of German standards DIN 33870-1 or 33870-2. Moreover, the user information shall provide the user with detailed instructions on the proper handling of toner modules. The user information shall advise the user not to open the toner module by force and to take precautions to avoid inhaling the dust and direct skin contact in the case of accidental toner spillage due to improper handling. Also, the user information shall include instructions on what to do if, nevertheless, there is skin contact.

The user information shall underline that toner modules must be kept out of the reach of children.

Compliance Verification

The manufacturer shall declare compliance with the requirements in Annex 1 to the Contract pursuant to RAL-UZ 177 and present the user information (Annex 5).

3.2 Requirements for the Toners Used

3.2.1 Heavy Metals

The toner shall not contain materials containing mercury, cadmium, lead, nickel or chromium VI compounds as constituents.

Manufacture-related contamination with heavy metals, e.g. cobalt and nickel, shall be kept as low as technically possible and economically reasonable (ALARA principle). The heavy metal contents of the toner powders shall be determined in accordance with the criteria catalogue „LGA-schadstoffgeprüft“[5] (LGA tested) and/or the toner test guidelines of BG-PRÜFZERT[6]. The contents shall be less than or equal to the test values listed in the following table.

Table 1: Maximum Allowable Test Values for Heavy Metals

Test Parameter	Determination Method	Test values [mg/kg]
Cadmium	ICP/MS or ICP-OES	5.0
Cobalt	ICP/MS or ICP-OES	25
Nickel	ICP/MS or ICP-OES	70
Lead	ICP-MS or ICP/OES	25
Mercury	AFS or ICP/MS	2.0
Chromium VI (as chromium)	UV-VIS or ICP/MS or ICP/OES	1.0
Total tributyltin (TBT) and dibutyltin (DBT)[7]	GC/MS	0.5
Total of other organotin compounds[7]	ICP/MS or GC/MS	5

[5] TÜV Rheinland LGA Products GmbH: Kriterienkatalog "LGA-schadstoffgeprüft" / "TÜVRheinland Zertifiziert", Produktgruppe: Tonermodule (Criteria catalogue „LGA tested“/TÜV Rheinland Certified“, product group: toner modules)
http://www.tuv.com/media/germany/30_products/formulare/TUeV_Rheinland_Kriterienkatalog_Toner_PfG_S_0105_0612.pdf

[6] Prüfgrundsätze Toner (Toner Test Guidelines) (BG-VW-SG2 04), Fachausschuss Verwaltung Prüf- und Zertifizierungsstelle im BG-PRÜFZERT (Expert committee - administration - test and certification body within BG-PRÜFZERT)
http://www.dguv.de/medien/DGUV-Test-Medien/_pdf_zip_doc_ppt/Pruefgrundsaetze/bg-vw-sg2-04.pdf

[7] Established determination method, see Appendix 1 to the Basic Criteria

Compliance Verification

The applicant shall present a declaration from the toner manufacturer or supplier as Annex 6 to the Contract pursuant to RAL-UZ 177 to prove that the product does not contain mercury, cadmium, lead, nickel or chromium VI compounds as constituents and that manufacture-related contamination with heavy metals, such as cobalt, nickel and organotin compounds have been minimised. To verify compliance with the test values in Table 1 the applicant shall present a test protocol (Annex 7). The testing laboratory shall be accredited under ISO/IEC 17025. It shall attach copies of the valid accreditation certificates (Annex 8).

3.2.2 Azo Colorants

The colour toners shall not contain colorants or color pigments that can release carcinogenic aromatic amines included in the list of aromatic amines in Regulation (EC) No. 1907/2006 (REACH Regulation), Annex XVII, Appendix 8[8] (see also TRGS 614).

The material samples shall be analysed in accordance with DIN EN 14362 and the content of primary aromatic amines shall be determined as specified in the above-mentioned regulation.

The primary amine content shall be lower than the test value of:

m =15 mg/kg colour toner powder[5].

Compliance Verification

The applicant shall present a declaration from the toner manufacturer or supplier as Annex 6 to the Contract pursuant to RAL-UZ 177 to prove that the colour toner does not contain as constituents colorants or colour pigments that can release carcinogenic aromatic amines appearing on the list of aromatic amines in Regulation (EC) No. 1907/2006 (REACH Regulation), Annex XVII, Appendix 8[8] (see also TRGS 614).

To verify compliance, the applicant shall present a test protocol (Annex 7). The testing laboratory shall be accredited according to ISO/IEC 17025. The laboratory shall attach copies of the valid accreditation certificates (Annex 8).

3.2.3 Other Ingredients

The toners must not contain substances as constituents which are classified as

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[8] Cf. COMMISSION REGULATION (EC) No 552/2009 of 22 June 2009 amending Regulation (EC) No 1907/2006 (REACH)

a) carcinogenic of category 1A, 1B or 2 according to table 3.1 of Annex VI to Regulation (EC) No 1272/2008;

b) mutagenic of category 1A,1B or 2 according to table 3.1 of Annex VI to Regulation (EC) No 1272/2008;

c) toxic to reproduction of category 1A, 1B or 2 according to table 3.1 of Annex VI to Regulation (EC) No 1272/2008;

d) persistent, bioaccumulative and toxic (PBT substances) or very persistent or very bioaccumulative (vPvB substances) according to the criteria of Annex XIII to the REACH Regulation

e) or of very high concern for other reasons and which have been included in the list (so-called list of candidates) set up in accordance with REACH, Article 59, paragraph 1.

Moreover, the colorants shall not contain substances as constituents which cause the mixture to be marked according to table 3.1 of Annex VI to Regulation (EC) with the following R or H phrases or meet the criteria for such classification:

H 370 (R 39/23/24/25/26/27/28)- Causes damage to organs

H 371 (R 68/20/21/22) - May cause damage to organs

H 372 (R 48/25/24/23) - Causes damage to organs through prolonged or repeated exposure

H 373 (R 48/20/21/22) - May cause damage to organs through prolonged or repeated exposure.

Compliance Verification

The applicant shall present a declaration from the toner manufacturer or supplier as Annex 6 to the Contract pursuant to RAL-UZ 177 to verify compliance with the requirements. Upon filing the application, the applicant shall submit Material Safety Data Sheets for all types of toner (see Annex 9). Unless the Material Safety Data Sheets show negative AMES test results for the toners, the applicant shall provide separate evidence of the test result (Annex 10).

3.3 Substance Emissions

3.3.1 Test Guideline

If original modules and original toners are used the substance emissions from Blue Angel eco-labelled office equipment with electrophotographic printing function shall not exceed the maximum values specified in the Basic Criteria RAL-UZ 171. The applicable test guideline has been published as Appendix S-M to the Basic Criteria RAL-UZ 171. The

evaluation of the emission tests shall be equally applicable to recycled toner modules. The determination of ozone emissions shall be exempt from this requirement.

3.3.2 Emission Tests

The emission rates during the ready and printing phase shall be determined and recorded in accordance with the test methods set out in Appendix S-M to the Basic Criteria RAL-UZ 171. They shall not exceed the following values (table 2):

Table 2: Maximum allowable test values of emission rates during the printing phase determined in accordance with Appendix S-M to RAL-UZ 171:

(All values are expressed in mg/h, except for particle emissions)		Monochrome Printing	Colour Printing
Ready mode	TVOC*	1 (Desktop devices) *2 (Floor-mounted devices,* Volume > 250 l)	1 (Desktop devices) *2 (floor-mounted devices,* Volume > 250 l)
Print mode (Total ready + print mode)	TVOC*	10	18
	Benzene	< 0.05	< 0.05
	Styrene	1.0	1.8
	Unidentified single substances VOC	0.9	0.9
	Dust	4.0	4.0
Print mode	$PER_{10\ PW}$ [Particles/10min]	$3.5^* 10^{11}$	$3.5^* 10^{11}$

* Cf. List of volatile organic compounds to be taken into account when measuring the emissions of office equipment with printing function (cf. RAL-UZ 171, Appendix S-M, para. 4.5 VOC).

If the emission rate determined during the printing of the colour test page also meets the emission test values for monochrome printing no additional testing of colour equipment during monochrome printing will be required.

Emissions of Fine and Ultrafine Particles:

The particle emissions of toner modules for colour printing equipment shall be tested during colour printing. Toner modules for monochrome printing equipment shall be tested during monochrome printing.

PER_{10} = n,m * 10^x [Particles/10 min]

The following test value shall be met for printing devices with a **volume ≤ 250 l**:

$PER_{10\ PW}$ = 3.5 * 10^{11} [Particles/10 min]

The particle emission value **PER_{10}** shall be given in the test report for printing devices with a **volume > 250 l** (basic device according to manufacturer's specifications).

Depending on the configuration the volume of identical office equipment with printing function (according to Appendix B-M to the Basic Criteria RAL-UZ 171) can be less or more than 250 litres. Blue Angel eco-labelled device configurations with volumes ≤ 250 l shall meet the above mentioned test value.
In the case of identical module types (identical structural shape) particle emissions shall be determined for "families" of printers or multifunction devices on the device with the highest maximum print speed. If the volume of a faster printer is over 250 l the toner module shall be tested on a slower device with a volume of less than 250 l.

The test report shall give the type of toner. Should the toner type be changed (type designation, recipe change) the applicant shall inform RAL about such change and submit a new test report.

Compliance Verification

The applicant shall submit a test report according to the test guideline for determination of the emission rates on the basis of the test guideline (Appendix S-M) of the Basic Criteria RAL-UZ 171 prepared by a qualified testing laboratory which confirms compliance with the requirements. The test report shall give the complete name of the test instrument. (Test results: Annex 11a, Test report: Annex 11b). The applicant shall name in Annex 1 the devices on which the tested toner modules can be used.
Evidence of the testing laboratory's qualification to do emission testing shall be furnished, for the time being, to Bundesanstalt für Materialforschung und –prüfung (Federal Institute for Materials Research and Testing), Division 4, and documented in an attachment to the test protocol, unless such document has already been made available to RAL.

3.3.3 Fitness for Use

Printing modules or toner containers must be sealed so as to prevent toner dust from escaping during storage and transport.

The recycled toner modules refilled with monochrome or colour toner shall meet the requirements of German standards DIN 33870-1 for monochrome printing machines or DIN 33870-2 for 4-colour printing machines. The test results shall be documented for each type of toner module in accordance with Annex C to the above-mentioned standards.

The applicant shall make available for each type of recycled toner module or - in the case of group orders - for each product line: an item-number-related Material Safety Data Sheet in English or German (according to Section 6 of the German Gefahrstoffverordnung (Ordinance on Hazardous Substances) and Regulation (EC) No 1907/2006 (REACH)[9] for the toner materials used therein.

Compliance Verification

The applicant shall declare compliance with the requirements in Annex 1 to the Contract pursuant to RAL-UZ 177 and present test reports according to Annex 12 to the Contract pursuant to RAL-UZ 177. Should the toner type be changed the applicant shall submit a new test report / declaration and a Materials Safety Data Sheet as well as a test report according to DIN 33870-1 or DIN 33870-2 and a test report on the emission test according to paragraph 3.3.2.

4 Applicants and Parties Involved

4.1 Distributors of products under para. 2 shall be eligible for application.

4.2 Parties involved in the award process are:

- RAL gGmbH to award the Blue Angel eco-label,
- the federal state being home to applicant's production site,
- Umweltbundesamt (Federal Environmental Agency) which after the signing of the contract receives all data and documents submitted in application for the Blue Angel in order to be able to further develop the Basic Award Criteria.

[9] Regulation (EC) No 1907/2006 (REACH), especially Articles 31-36 and Annex II (http://www.baua.de/nn_47698/de/Chemikaliengesetz-Biozidverfahren/Neue-Chemikalienpolitik/pdf/REACH-Verordnung-1907-2006.pdf)

5 Use of the Blue Angel Eco-Label

5.1 The terms governing the use of the Environmental Label by the applicant are stipulated by a Contract on the Use of the Environmental Label to be concluded with RAL.

5.2 Within the scope of such contract the applicant undertakes to comply with the requirements under paragraph 3 while using the environmental label.

5.3 Contracts on the Use of the Environmental Label are concluded to fix the terms for the certification of products under paragraph 2. Such contracts shall run until December 31, 2017.

They shall be extended by periods of one year each, unless terminated in writing by March 31, 2017 or March 31 of the respective year of extension.

After the expiry of the contract the Environmental Label may neither be used for labelling nor for advertising purposes. This regulation shall not affect products being still in the market.

5.4 The Contract on the Use of the Environmental Label shall specify:

5.4.1 Applicant (distributor)

5.4.2 Brand /trade name, product designation

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C O N T R A C T

No

on the Award of the Environmental Label

RAL gGmbH as the label-awarding agency and the firm of

(Manufacturer/Label User)

as applicant conclude the following
Contract on the Use of the Environmental Label :

S P E C I M E N

1. The applicant shall - under the following conditions - be entitled to use the Environmental Label forming the basis of this Contract for the labelling of the product / product group / project:
   ”Recycled Toner Modules” for

   "(Brand/Trade name)"

   This shall not include the right to use the Environmental Label as part of a brand. Unless otherwise agreed, the Environmental Label shall only be used in the above given shape and colour and shall be marked at the bottom "Jury Umweltzeichen" (Environmental Label Jury). The entire inner surrounding text shall always be identical as regards font size, form, thickness and colour and it shall be easy to read.
2. The Environmental Label according to para. 1 may only be used for the above-mentioned product / product group / project.
3. If the Environmental Label is used for advertising purposes or other applicant activities the applicant shall make sure that it is exclusively used in connection with the above-named product / product group / project for which the use of the Environmental Label has been granted and settled under this contract. The applicant shall be solely responsible for the way the label is used, above all, in advertising.
4. During the entire period of label use the product / product group / project to be labelled shall comply with all requirements and conditions for the use of the label as specified in the "Grundlage für Umweltzeichen-Vergabe RAL-UZ **177**" (Basic Criteria for Award of the Environmental Label RAL-UZ **177**), as amended. This shall also apply to the reproduction of the Environmental Label (including surrounding text). Claims for damages against RAL gGmbH, especially on the grounds of third party objections to applicant's use of the label and the accompanying advertising shall be ruled out.
5. If the "Basic Criteria for Award of the Environmental Label" provide for checks by third parties the applicant shall bear the costs accruing in connection therewith.
6. Should the applicant himself or third parties find out that the applicant does not comply with the conditions as stipulated in paras. 2-5 the applicant shall be liable to inform RAL gGmbH and stop the use of the Environmental Label until the conditions are complied with again. Should the applicant be incapable of restoring the state required for the use of the label immediately or should the applicant seriously offend against this contract RAL gGmbH may, if necessary, withdraw the Environmental Label and prohibit the applicant from using the label any longer. Claims for damages against RAL gGmbH because of the withdrawal of the label shall be ruled out.
7. The Contract on the Use of the Environmental Label may be terminated for good reason.
   Examples of good reasons are:
   - unpaid contributions
   - substantiated risk of injury and death.
   In such case, applicant’s continued use of the Environmental Label shall be prohibited. The applicant shall not be entitled to bring a claim for damages against RAL gGmbH (see above: paragraph 6, sentence 3).
8. The applicant undertakes to pay RAL gGmbH an amount according to the "Entgeltordnung für das Umweltzeichen" (Schedule of Fees for the Environmental Label), as amended, for the period of use.
9. According to the Basic Criteria for Award of the Environmental Label RAL-UZ **177** this contract will run until **December 31, 2017**. It shall be extended by periods of one year each, unless terminated in writing by **March 31, 2017** or by March 31 of the respective year of extension. After the expiry of the contract the Environmental Label may neither be used for labelling nor for advertising purposes. This regulation shall not affect the products being still in the market.
10. Products / projects marked with the Environmental Label and the advertising for these products / projects may reach the consumer only when naming the company of the
    (Applicant/Distributor).

Sankt Augustin, this …. day of …….. 20..

Place, Date

RAL gGmbH
Management

(Signature of authorized person
and company stamp)