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| **Annex 1 to the Contract**  **pursuant to RAL-UZ 195** | **Please only use**  **this form!** |

**Environmental label for "Printed Matter"**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Applicant (label holder):**  (full address) | | | | | | | |  | | | | | |
|  | | | | | | | |  | | | | | |
| **Trade name of the product /**  **Description of the product group:** | | | | | | | |  | | | | | |
|  | | | | | | | | | | | | | |
| **Information on the printed matter**[[1]](#footnote-1) | | | | | | | | | | | | | |
| Format [mm]: | | |  | | | | | | | | | | |
| Number of pages: | | |  | | | | | | | | | | |
| Further processing / finishing:  (gluing, binding, coating, etc.) | | |  | | | | | | | | | | |
|  | The finishing / further processing is outsourced to an external company. | | | | | | | | | | | | |
| Part of the printed matter  (inner part, cover, attachment, etc.) | | | | | Name and location of the company | | | | | | Function | | |
|  | | | | |  | | | | | |  | | |
|  | | | | |  | | | | | |  | | |
|  | **The printed matter**1 **contains unrelated supplements from other manufacturing steps.** | | | | | | | | | | | | |
|  | | | | | | | | | | | | | |
| **Area of application** (see Scope) | | | | | | | | | | | | | |
|  | Newspapers | | | |  | | Magazines | | | |  | Prospectuses | |
|  | Books | | | |  | | Catalogues | | | |  | Brochures | |
|  | Calendars | | | |  | | Advertising inserts | | | |  | Operating instructions | |
|  | Posters | | | |  | | Flyers | | | |  | Billboards | |
|  | Loose leaf publications in folders, which are certified in accordance with RAL-UZ 56. Please state here the contract number(s) for the folders: | | | | | | | | | | | | |
|  | Other: | | | | | | | | | | | | |
|  | | | | | | | | | | | | | |
| **Printing process used** (see Scope and Paragraph 3.1) | | | | | | | | | | | | | |
|  | Sheet-fed offset printing (a) | | |  | | Heatset web offset printing (c) | | | |  | Rotogravure printing (e) | | |
|  | Coldset web offset printing (b) | | |  | | Digital Printing (d) | | | |  | Flexographic printing (f) | | |
|  | | | | | | | | | | | | | |
| **Printing locations** | | | | | | | | | | | | | |
| Part of the printed matter  (inner part, cover, attachment, etc.) | | Production location  (please state the full address) | | | | | | | Printing machines used | | | | Printing processes used |
|  | |  | | | | | | |  | | | |  |
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**Declarations by the applicant** (this section must be completed separately for every location!)

| **Section** | **Declarations/Compliance Verifications** | | **Please complete the appropriate sections!** |
| --- | --- | --- | --- |
| **3.2.** | **Requirements for the material composition** | |  |
| **3.2.1.** | **Proportion of the total mass accounted for by the materials** | |  |
|  | The proportion of paper and cardboard, as well as printing inks and varnish, in the printed matter1 is greater than 90%. | |  |
|  | • Proportion of the total mass account for by paper, cardboard, printing inks and varnish: % | |  |
|  | • Proportion of the total mass account for by materials for binding: % | |  |
|  | • Proportion of the total mass account for by materials for protecting the product: % | |  |
|  | A sample of the printed matter1 is enclosed with the application. | |  |
| **3.2.2.** | **Excluded materials** | |  |
|  | The following products are **not** used for the printed matter1: | |  |
|  | • PVC | |  |
|  | • Adhesives containing diisobutyl phthalate (DIBP) | |  |
|  | • Chrome-plated metal  (except for loose leaf publications in folders, which are certified in accordance with RAL-UZ 56) | |  |
| **3.2.3.** | **Use of adhesives** | |  |
| **a)** | **PUR adhesives** | |  |
| or | No PUR adhesives have been used in the printed matter1. | |  |
| • A corresponding declaration by the manufacturer of the adhesives is enclosed with the application. | | **Annex 7** |
|  | • An extraction system is available on the application system and retracted adhesive tanks and the rooms are adequately ventilated. | |  |
| **b)** | **Hot melt adhesives based on ethylene-vinyl acetate (EVA)** | |  |
| or | No EVA-based hot melt adhesives have been used in the printed matter1. | |  |
| • The processing temperature according to the technical data sheet is observed. | |  |
|  | • The gluing machine has integrated overheating protection. | |  |
|  | • An air extraction system is installed in the workplace. | |  |
| **3.3.** | **Requirements for paper and cardboard** | |  |
|  | The paper used for the printed matter1 has been certified with the Blue Angel in accordance with **RAL-UZ 14**. | |  |
|  | The paper used for the printed matter1 has been certified with the Blue Angel in accordance with **RAL-UZ 72**. | |  |
|  | The cardboard used for the printed matter1 has been certified with the Blue Angel in accordance with **RAL-UZ 56**. | |  |
|  | A list of the types of paper used including their registration numbers in accordance with RAL-UZ 14, 72 or 56 is enclosed with the application. | | **Annex 2** |
| **3.4.** | **Requirements for the recyclability of the materials used** | |  |
|  | **Deinkability** | |  |
|  | A test report in accordance with INGEDE Method 11 is enclosed with the application. The number of tests required can be found in Supplement 1 to the Basic Award Criteria. | | **Annex 3** |
|  | The printing inks, paper and varnishes used for the test are listed in the test report. | |  |
|  | If different but very similar printing ink series[[2]](#footnote-2) from the same manufacturer are used: A declaration from the ink manufacturer on this matter is enclosed with the application (see Supplement 1 to the Basic Award Criteria). | | **Annex 8** |
|  | **Removability of the adhesive** | |  |
| or | **Water-based** adhesives are used in the printed matter1. | |  |
| • A declaration from the manufacturer of the adhesive that it is a water-based adhesive is enclosed with the application. | | **Annex 7** |
| **Non water-based** adhesives are used in the printed matter. | |  |
| • A test report in accordance with INGEDE Method 12 is enclosed with the application. The number of tests required can be found in Supplement 1 to the Basic Award Criteria. | | **Annex 4** |
|  | The adhesives used for the test are listed in the test reports. | |  |
|  | **For defined product groups:** The formulations for all those printed matter1 classified under the defined product group contain the same types of paper, printing inks and adhesives. The tests are carried out for the maximum ink coverage required. | |  |
| **3.5.** | **Requirements for all substances and mixtures added to the printed matter** | |  |
|  | The applicant shall declare compliance with the requirement in Paragraph 3.5. | |  |
|  | Current safety data sheets for all substances and mixtures added to the printed matter are enclosed with the application in digital form. This also includes the substances and mixtures used in companies commissioned to complete the finishing or further processing of the printed matter. | | **Annex 5** |
|  | A list of all of the substances and mixtures used is enclosed with the application. | | **Annex 6** |
| **3.6.** | **Requirements for renewable raw materials** | |  |
|  | A declaration from the manufacturer of the printing inks, varnishes, solvents and cleaning agents is enclosed with the application. | | **Annex 7** |
| **3.7.** | **Requirements for the dyes, toners, printing inks and varnishes** | |  |
| **3.7.1.** | **Additives added at a later stage** | |  |
|  | No additives are added at a later stage to the ready-to-use product.  **Exemption:** Anti-skin sprays for offset printing inks | |  |
| **3.7.2.** | **Heavy metals** | |  |
|  | A declaration from the manufacturer of the dyes, toners, printing inks and varnishes is enclosed with the application. | | **Annex 7** |
| **3.7.3.** | **Additional requirements for manganese compounds** | |  |
|  | A declaration from the manufacturer of the dyes, toners, printing inks and varnishes is enclosed with the application. | | **Annex 7** |
| **3.7.4.** | **Azo dyes** | |  |
|  | A declaration from the manufacturer of the dyes, toners, printing inks and varnishes is enclosed with the application. | | **Annex 7** |
| **3.7.5.** | **Hydrocarbons in printing inks** | |  |
|  | A declaration from the manufacturer of the printing inks and varnishes is enclosed with the application. | | **Annex 7** |
| or | A declaration from the manufacturer of the printing inks and varnishes with information about the ingredients used in the formulations for the printing inks is enclosed with the application. | | **Annex 8** |
| The manufacturer of the printing inks and varnishes will send the declaration about the ingredients used directly to RAL gGmbH. | | **Annex 8** |
| **3.8.** | **Requirements for emissions of organic solvents** | |  |
|  | Please complete Annex 1a, 1b, 1c or 1d based on the corresponding printing process used! This is enclosed with the application. | | **Annex 1** |
| **3.9.** | **Requirements for the pre-press process** | |  |
| **3.9.1.** | **Illustrations** | |  |
|  | No films are used for the illustrations but instead exclusively digital processes. | |  |
| **3.10.** | **Requirements for waste paper management** | |  |
|  | A list of the key figures for the waste management system for the last three years is enclosed with the application. | | **Annex 18** |
|  | Purchase invoices for paper/cardboard or the proof of the provision of purchased or provided paper and cardboard, as well as information on their weight and a summary for the purposes of determining the key figures, are enclosed with the application. | | **Annex 19** |
|  | Notifications from the paper disposal company about the amounts of paper and cardboard disposed of, as well as information on their weight and a summary for the purposes of determining the key figures, are enclosed with the application. | | **Annex 20** |
|  | The amount of purchased or provided paper and cardboard PTotal is:  t/a | |  |
|  | The amount of paper and cardboard disposed of PWaste is:  t/a | |  |
|  | The proportion of the total waste () is: | %. |  |
|  | If the maximum amounts of waste stated in the table from Paragraph 3.10. have been exceeded: | |  |
|  | • Documentation on reducing the amount of waste paper is enclosed with the application. | | **Annex 21** |
| or | At least a press container is already available. | |  |
| If no press container is available: Verification about the economic viability of purchasing a press container for waste paper is enclosed with the application. | | **Annex 22** |
| **3.11.** | **Requirements for energy management** | |  |
| **3.11.1.** | **Energy management by the printing company** | |  |
|  | The printing company is certified in accordance with EMAS. | |  |
|  | The printing company is certified in accordance with ISO 50001[[3]](#footnote-3). | |  |
|  | The printing company has an annual electricity consumption of < 10 GWh and is certified in accordance with DIN EN 16247, Part 1[[4]](#footnote-4). | |  |
|  | A validation certificate according to EMAS or certification according to ISO 50001 or DIN EN 16247, Part 1, is enclosed with the application. | | **Annex 23** |
|  | None of these are the case or neither rotogravure, flexographic, headset or newspaper coldset web offset printing processes are used: | |  |
|  | The following elements of an environmental management system in accordance with the definition in the EMAS III Regulation are documented: | |  |
|  | • A current environmental policy for the company, not more than 3 years old. | |  |
|  | • A current environmental programme for a maximum period of 3 years. | |  |
|  | • Quantifiable environmental goals resulting from the environmental programme, defining the relevant timescales and responsibilities. | |  |
|  | • Important environmental aspects of the company. | |  |
|  | Documentation on these elements of the environmental management system is enclosed with the application. | | **Annex 24** |
| **3.11.2.** | **List of energy consumers** | |  |
|  | A list of energy consumers is enclosed with the application. | | **Annex 25** |
| **3.11.3.** | **Key energy figures** | |  |
|  | A list of the required key energy figures is enclosed with the application. | | **Annex 26** |
| **3.11.5.** | **Compressed air system** | |  |
|  | Documentation of the test results for optimising the energy efficiency of the compressed air system is enclosed with the application. | | **Annex 28** |

**Annexes to the contract pursuant to RAL-UZ 195**

Please use this printed form of Annex 1 to the Contract pursuant to RAL-UZ 195.

Please attach the following Annexes 1a to 1e and 2 to 28 to the application documentation:

|  |  |
| --- | --- |
| * + Annex 1a: | Declaration from the applicant - **only for sheet-fed offset printing and** **coldset web offset printing** (printed form). |
| * + Annex 1b: | Declaration from the applicant - **only for heatset web offset printing** (printed form). |
| * + Annex 1c: | Declaration from the applicant - **only for rotogravure printing** (printed form). |
| * + Annex 1d: | Declaration from the applicant - **only for flexographic printing** (printed form). |
| * + Annex 2: | Declaration from the applicant about the paper and cardboard used (printed form). |
| * + Annex 3: | Test report according to INGEDE Method 11. |
| * + Annex 4: | Test report according to INGEDE Method 12. |
| * + Annex 5: | Current safety data sheets in digital form. |
| * + Annex 6: | List of all substances and mixtures used (printed form). |
| * + Annex 7: | Declaration from the chemical manufacturers/suppliers (printed form). |
| * + Annex 8: | Additional declaration from the manufacturer of the printing inks about the ingredients used in the formulations for the printing inks and the similarity between different printing ink series (printed form). |
| * + Annex 9: | Declaration from the applicant about the use of cleaning and rubber blanket regeneration agents if they have a flash point < 100°C. |
| * + Annex 10: | Declaration from the applicant about the use of dampening solution additives if the VOC content is greater than 10% by mass. |
| * + Annex 11: | Certificates for the amount of paper purchased and provided. |
| * + Annex 12: | Certificates for the purchased quantity of the named solvents contained in the product. |
| * + Annex 13: | Measurement report about the waste gases from the dryer. |
| * + Annex 14: | Solvent balance in accordance with the Solvent Ordinance (31st Federal Immission Control Act (BImSchV). |
| * + Annex 15: | Measurement report on the emissions in the waste gas. |
| * + Annex 16: | Test certificate in accordance with the "COWI II test method for determining toluene emissions from printed matter". |
| * + Annex 17: | Measurement report for the concentration of chromium VI in the wastewater. |
| * + Annex 18: | List of the key figures for the waste management system for the last three years. |
| * + Annex 19: | Purchase invoices for paper/cardboard or the proof of the provision of purchased or provided paper and cardboard. |
| * + Annex 20: | Disposal certificates or notifications from the paper disposal company about the amounts of paper and cardboard disposed of. |
| * + Annex 21: | Documentation on reducing the amount of waste paper. |
| * + Annex 22: | Verification about the economic viability for the purchase of a press container for waste paper. |
| * + Annex 23: | Validation certificate according to EMAS or certification according to ISO 50001 or DIN EN 16247, Part 1. |
| * + Annex 24: | Documentation about the elements in the environmental management system. |
| * + Annex 25: | List of energy consumers. |
| * + Annex 26: | List of key energy figures. |
| * + Annex 27: | Documentation of the examination of the energy concept for heatset web offset dryers including a catalogue of measures. |
| * + Annex 28: | Test results for optimising the energy efficiency of the compressed air system |

|  |  |  |
| --- | --- | --- |
| Location: |  |  |
| Date: |  |
|  | | (Legally binding signature and company stamp) |

1. Printed matter in accordance with Paragraph 2.4 of the Basic Award Criteria: Individual product or "worst case" sample product to represent a defined product group. [↑](#footnote-ref-1)
2. This means that the chemicals in the printing inks are identical, differences only relate to the quantities used and are permitted as long as there is no suspicion that they will change the deinkability. For example, amending the viscosity of the inks by changing the proportion of solvent used is permitted. However, adding or omitting additives is not permitted. [↑](#footnote-ref-2)
3. Obligatory from 01.01.2017. [↑](#footnote-ref-3)
4. Obligatory from 01.01.2016. [↑](#footnote-ref-4)