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

**Environmental label for "Printed Matter"**

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| **Applicant (label holder):**  (please state the full address) | | | | | | |  | | | | | | | | | |
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| **Trade name of the product /**  **Description of the product group:** | | | | | | |  | | | | | | | | | |
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| **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.[[2]](#footnote-2) | | | | | | | | | | | | | | | |
| **Name and location of the company**  (please state the full address) | | | | | | | | | **Function**  (e.g. adhesive, binding, cutting, joining, etc...) | | | | | | | |
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|  | **The printed matter**1 **contains related supplements from other manufacturing steps.** | | | | | | | | | | | | | | | |
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| **Area of application** (see Scope) | | | | | | | | | | | | | | | | |
|  | Newspapers | | |  | | Magazines | | | | | | |  | Brochures | | |
|  | Magazines | | |  | | Books | | | | | | |  | Catalogues | | |
|  | Prospectuses | | |  | | Advertising inserts | | | | | | |  | Newspaper supplements | | |
|  | Flyers | | |  | | Operating instructions | | | | | | |  | Assembly instructions | | |
|  | Posters | | |  | | Billboards | | | | | | |  | Displays made of cardboard | | |
|  | Annual reports | | |  | | Telephone books | | | | | | |  | Directories | | |
|  | Photo work envelopes | | |  | | Printed postcards | | | | | | |  | Printed envelopes | | |
|  | Printed padded envelopes | | |  | | Printed book covers | | | | | | |  | Decorative calendars | | |
|  | Leaflets | | |  | | Other (please specify): | | | | | | |  |  | | |
|  | | | | | | | | | | | | | | | | |
|  | Loose leaf publications in folders, which are certified in accordance with DE-UZ 56. Please state here the contract number(s) for the folders: . | | | | | | | | | | | | | | | |
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| **Printing process used** (see Scope Point b) and Paragraph 3.1) | | | | | | | | | | | | | | | | |
|  | Sheet-fed offset printing (I) | |  | | Heatset web offset printing (II) | | | | | |  | | Rotogravure printing (III) | | | |
|  | Coldset web offset printing (IV) | |  | | Flexographic printing (V) | | | | | |  | | Digital printing (dry toner) (VI) | | | |
|  | Digital printing (inkjet) (VI) | |  | | Other digital printing:       (VIII) | | | | | |  | LED UV web offset printing (IX) | | | |
|  | | | | | | | | | | | | | | | | |
| **Printing locations**2 | | | | | | | | | | | | | | | | |
| **Production location**  (please state the full address) | | **Printing machines used**  (Please state the full type designation and year of construction) | | | | | | | | **Dryers/thermal afterburners belonging to the printing machine**  (Please state the full type designation and year of construction) | | | | | **Printing process**  (I - IX) | |
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**Declarations by the applicant** (this section must be completed separately for every site!)

| **Paragraph** | **Declarations/Compliance Verifications** | **Please complete the appropriate sections!** |
| --- | --- | --- |
| **1.3** | **Objectives of the environmental label** |  |
|  | We hereby declare that the explanatory box with the environmental benefit **”made from 100% recovered paper“** is only used if paper certified in accordance with DE-UZ 14a is exclusively used. |  |
| **3** | We hereby declare compliance with all requirements in Paragraph 3 of the Basic Award Criteria. |  |
| **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 matter is greater than 90%. |  |
|  | * Proportion of the total mass accounted for by paper, cardboard, printing inks and varnish: min. % |  |
|  | * Proportion of the total mass accounted for by materials for binding: max. % |  |
|  | * Proportion of the total mass accounted for by materials for protecting the product: max. % |  |
| **3.2.2** | **Excluded materials** |  |
|  | The following products are **not** used for the printed matter: |  |
|  | * PVC |  |
|  | * + Chrome-plated metal (except for: loose leaf publications in folders, which are certified in accordance with DE-UZ 56) |  |
|  | * Adhesives containing diisobutyl phthalate (DIBP) (see information from the chemical suppliers in Annex 4) |  |
| **3.2.3** | **Use of adhesives** |  |
| **a)** | **Hot melt adhesives with a thermoplastic character** |  |
| I | **No** hot melt adhesives with a thermoplastic character are used in the printed matter. |  |
| or |  |  |
| II | Hot melt adhesives with a thermoplastic character are used in the printed matter. |  |
| I | The processing temperature for the adhesive according to the technical data sheet is observed. |  |
| The gluing machine has integrated overheating protection. |  |
| An air extraction system is installed in the workplace. |  |
| or |  |  |
| II | **If the adhesion process is carried out by external companies:**  Confirmation from the external company that they comply with the three named criteria is enclosed with the application. |  |
| **b)** | **PUR adhesives** |  |
| I | **No** PUR adhesives have been used in the printed matter. |  |
| or |  |  |
| II | PUR adhesives are used in the printed matter. |  |
| I | An extraction system is available on the application system and retracted adhesive tanks and the rooms are adequately ventilated. |  |
| or |  |  |
| II | **If the adhesion process is carried out by external companies:**  Confirmation from the external company that an extraction system is available on the application system and retracted adhesive tanks and the rooms are adequately ventilated is enclosed with the application. |  |
| **3.3** | **Requirements for paper and cardboard** |  |
|  | We hereby declare compliance with all requirements in Paragraph 3.3 of the Basic Award Criteria. |  |
| **3.4** | **Requirements for the recyclability of the materials added to the printed matter** |  |
|  | **Deinkability** |  |
| I | Test reports in accordance with INGEDE Method 11 are enclosed with the application. The number of tests required can be found in Supplement B to the Basic Award Criteria. |  |
| The printing inks, paper and varnishes used for the test are listed in the test reports. |  |
| The printing inks and combination of printing inks/varnishes score at least 51 points on the “Deinkability Scorecard” from the EPRC. |  |
| The product scores at least 50% of the maximum number of points available for each individual criteria of INGEDE Method 11. |  |
| LED UV web offset printing: The following parameters were used for the deinking test:  Lamp intensity: W/m² Paper  Print web speed: |  |
| or |  |  |
| II | The test reports according to INGEDE Method 11 will be directly sent to RAL gGmbH by the ink manufacturer. |  |
|  | If printing ink series only differ with respect to the amount of solvent used to set the viscosity, it is possible to cover multiple series with two tests of the series with the lowest and highest proportion of solvent if a declaration from the printing ink manufacturer is submitted. A declaration from the ink manufacturer on this matter is enclosed with the application or will be sent directly to RAL gGmbH by the ink manufacturer (see Appendix B of the Basic Award Criteria). |  |
|  | **Removability of the adhesive** |  |
| I | **No** adhesives are used in the printed matter. |  |
| or |  |  |
| II | **Redispersible (water soluble)** adhesives are used in the printed matter. |  |
| or |  |  |
| III | **Non-redispersible (water insoluble)** adhesives are used in the printed matter. |  |
| Test reports in accordance with INGEDE Method 12 are enclosed with the application. The number of tests required can be found in Supplement B to the Basic Award Criteria. |  |
| The adhesives used for the test are listed in the test reports. |  |
| The adhesive applications used score at least 71 points on the “Adhesive Removal Scorecard” from the EPRC. |  |
|  | **Must be observed for defined product groups:**  The formulations for all those printed matter classified under the defined product group must contain the same types of paper, printing inks and adhesives.  The tests must be carried out for the maximum ink coverage required. |  |
|  | We have utilised the exemption for non-redispersible and non water-based hot melt adhesives applications. |  |
|  | If **YES**,   * + - The thickness of the adhesive application is     - The horizontal expansion of the adhesive application is |  |
| **3.8** | **Requirements for the dyes, toners, printing inks and varnishes** |  |
| **3.8.1** | **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 |  |
| **3.8.5** | **Hydrocarbons in printing inks and varnishes in the offset printing process** |  |
| I | 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 5** |
| or |  |  |
| II | The manufacturer of the printing inks and varnishes will send the declaration about the ingredients used directly to RAL gGmbH. | **Annex 5** |
| **3.9.10** | **Emissions of fine particulate matter in all printing processes.** |  |
|  | Dust created during cutting and milling work is extracted at its point of origin using the current state of technology. Dust deposits on machines and in working areas are removed on a regular basis. |  |
| **3.10** | **Requirements for the pre-press process** |  |
| **3.10.1** | **Illustrations** |  |
|  | No films are used for the illustrations but instead exclusively digital processes. |  |
| **3.11** | **Requirements for waste paper management** |  |
| I | At least a press container is already available. |  |
| or |  |  |
| II | If a press container is not used, justification must be submitted. |  |
| **3.12.3** | **Compressed air system** |  |
|  | The compressed air system is regularly inspected for leakages, at least once a year using a leakage detector or using a documented and similarly efficient leakage detection system in operation at the company.  If **NO**, please provide justification: |  |
| The compressed air system is centralised.  If **NO**, please provide justification: |  |
| If present, the central compressed air network has been separated into two pressure levels for the separate supply of power units with higher and lower pressure requirements.  If **NO**, please provide justification: |  |
| The room humidification system is not operated using compressed air but rather using a high pressure water system.  If **NO**, please provide justification: |  |

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

**The following must be submitted by everybody:**

|  |  |
| --- | --- |
|  | **Annex 1**: Declarations/compliance verifications from the applicant for the contract. Basis for the award of the "Printed Matter" environmental label (printed form) |
|  | **Technical data sheets** for the added threads, staples, textile components and similar items. |
|  | If crepe paper and backing boards that are not certified with the Blue Angel are used, declarations from two paper suppliers must be submitted annually to **verify** that no alternative products certified with the Blue Angel are available. |
|  | **Annex 2**: Declaration from the applicant about the paper and cardboard used (printed form). |
|  | **Test reports** according to INGEDE Method 11 (T1) and, if necessary, a declaration about the similarity between the printing inks used and the tested printing inks[[3]](#footnote-3) (T2). |
|  | **Test reports** according to INGEDE Method 12, if adhesives are used. |
|  | **Technical data sheets** for the adhesives. |
|  | Current **safety data sheets**. |
|  | **Annex 3**: List of all substances and mixtures used (printed form). |
|  | **Annex 4**: Declaration from the chemical manufacturers/suppliers (printed form). |
|  | **Certificate** that recognised sustainability criteria have been observed in the cultivation of the renewable raw materials and that the renewable raw materials are not sourced from genetically modified plants. |
|  | **Test report** for the use of azo dyes in accordance with Paragraph 3.8.4. |
|  | **Test report** for the requirements placed on PAHs in accordance with Paragraph 3.8.5. |
|  | **Annex 6**: Mass balance, purchased quantity and waste solvents and paper (Excel table). |
|  | **Disposal certificates** or notifications from the paper disposal company about the amounts of paper and cardboard disposed of. |
|  | **Documentation** on reducing the volume of waste paper, insofar as the maximum permitted value for the waste has been exceeded. |
|  | **Justification**, if no press container is available. |
|  | **List of energy consumers** and information on the specific **total energy consumption** for a typical print run of the printed product. |

**Additionally for sheet-fed offset and coldset web offset printing processes**

|  |  |
| --- | --- |
|  | **Annex 1a**: Declaration from the applicant – **only sheet-fed offset printing, coldset web offset printing, headset web offset printing and LED-UV web offset printing** (printed form). |
|  | **Annex 5**: Declaration from the printing ink or varnish manufacturer about the ingredients used in the formulations for the printing inks and varnishes (printed form). |

**Additionally for headset web offset printing**

|  |  |
| --- | --- |
|  | **Annex 1a:** Declaration from the applicant – **only sheet-fed offset printing, coldset web offset printing, headset web offset printing and LED-UV web offset printing** (printed form). |
|  | **Annex 5**: Declaration from the printing ink or varnish manufacturer about the ingredients used in the formulations for the printing inks and varnishes (printed form). |
|  | **Measurement report** about the waste gases from the dryer in accordance with Paragraph 3.9.5. |
|  | **Documentation** of the examination of the energy concept for heatset web offset dryers including a catalogue of measures. |

**Additionally for LED-UV web offset printing**

|  |  |
| --- | --- |
|  | **Annex 1a:** Declaration from the applicant – **only sheet-fed offset printing, coldset web offset printing, headset web offset printing and LED-UV web offset printing** (printed form). |
|  | **Annex 5**: Declaration from the printing ink or varnish manufacturer about the ingredients used in the formulations for the printing inks and varnishes (printed form). |
|  | **Wastewater disposal certificates** for the last calendar year. |

**Additionally for rotogravure printing**

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|  | **Annex 1b**: Declarations from the applicant - **only for rotogravure printing** (printed form). |
|  | **Measurement report** on the emissions in the waste gas in accordance with Paragraph 3.9.6. |
|  | **Test certificate** in accordance with the "COWI II test method for determining toluene emissions from printed matter” in accordance with Paragraph 3.9.6. |
|  | **Measurement report** for the concentration of chromium VI in the wastewater in accordance with Paragraph 3.9.8. |
|  | **Description** of the electroplating and wastewater treatment plants in accordance with Paragraph 3.9.8. |

**Additionally for flexographic printing**

|  |  |
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|  | **Measurement report** on the emissions in the waste gas in accordance with Paragraph 3.9.7. |

|  |  |  |
| --- | --- | --- |
| Location: |  |  |
| Date: |  |
|  | | (Signature of authorized person and company stamp) |

1. Printed matter in accordance with Point d) of the scope: [↑](#footnote-ref-1)
2. The lists for the external companies and the printing machines can also be provided in separate lists with corresponding formats. [↑](#footnote-ref-2)
3. If printing ink series only differ with respect to the amount of solvent used to set the viscosity, it is possible to cover multiple series with two tests of the series with the lowest and highest proportion of solvent if a declaration from the printing ink manufacturer is submitted. [↑](#footnote-ref-3)