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| **Annex 1 to the contract**  **pursuant to DE-UZ 35  THIS ANNEX IS FOR** **MANUFACTURERS OF WOODCHIP WALLPAPER AND MANUFACTURERS OF WALLPAPER** | **Please only use this form!** |

**Environmental label for “Wallpaper and Woodchip Wallpaper made from Recycled Paper”**

|  |  |
| --- | --- |
| **Paper manufacturer:**  (full address) |  |
| **Contact for any questions:** |  |
| **E-mail address:** |  |
| **Telephone:** |  |
| **Trade name of the product:** |  |
| **Product category Paragraphs 3.1.1 - 3.1.2**  **(wallpaper or woodchip wallpaper.** Please specify**):** |  |
| **Purchaser** (e.g. manufacturer of wallpaper/woodchip wallpaper, please state the full address or if the paper manufacturer = woodchip wallpaper manufacturer): |  |

|  |  |
| --- | --- |
| **Paragraph:** | We hereby declare that |
| **3.1** | - The paper fibres used to produce the product stated in Paragraph 2 were sourced 100% from recovered paper, |
| **3.1.1** | * The paper is certified with the ecolabel DE-UZ14a or DE-UZ217a,   □ Yes, **valid contract number**   |  |  |  | | --- | --- | --- | |  | Basic Award Criteria (UZ14a or 217a) | Valid contract number | | 1. |  |  | | 2. |  |  | | 3. |  |  | | 4. |  |  |   **If a valid Contract on the Use of the Environmental Label according to DE-UZ14a or DE-UZ217a is submitted, requirements 3.4.1 to 3.4.3** are automatically fulfilled. or The wallpaper is made 100 % from recovered paper and   * made 100% from recovered paper sourced from all grades of paper, across all of its different layers, and thus complies with criterion 3.1, |
| **3.1.2** | * The paper in the woodchip wallpaper is made 100% from recovered paper, * and at least 50% of the recovered paper was sourced from ordinary and medium paper grades or special grades (groups 1, 2 or 5), |
| **3.2** | * The origin of the woodchips in woodchip wallpaper has been verified, * the wood originates from forests that are able to verify that they have been managed according to the guidelines for sustainable forestry (FSC, PEFC or Naturland standard), |
| **3.3** | - No substances or mixtures that contain constituent components with the following properties (the hazard statements (H Phrases) that correspond to the hazard categories can be found in the table in Appendix E) were added during production of the paper and the wallpaper/woodchip wallpaper:   * + - * 1. no substances were added to the product,   that are included in the so-called “list of candidates” according to Article 59, Paragraph 1 of the REACH regulation (EC/1907/2006) as substances of very high concern (SVHC)[[1]](#footnote-1),   * + - * 1. no substances were added to the product that according to the CLP Regulation (EC/1272/2008)[[2]](#footnote-2) have been classified in the following hazard categories or which meet the criteria for such classification: * carcinogenic in categories Carc. 1A or Carc. 1B * germ cell mutagenic in categories Muta. 1A or Muta. 1B * reprotoxic (teratogenic) in categories Repr. 1A or Repr. 1B * endocrine disruptors with a negative effect on human health in the categories ED HH 1 or ED HH 2[[3]](#footnote-3) * endocrine disruptors with a negative effect on the environment in the categories ED ENV 1 or ED ENV 2[[4]](#footnote-4) * persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) characteristics[[5]](#footnote-5) * persistent, mobile and toxic (PMT) or very persistent, very mobile (vPvM) characteristics[[6]](#footnote-6)   + - * 1. no substances were added that are classified in the following categories as carcinogenic, mutagenic or reprotoxic in the currently valid version of TRGS 905[[7]](#footnote-7): * carcinogenic (K1A, K1B), * mutagenic (M1A M1B), * reprotoxic (RF1A, RF1B, RD1A, RD1B), |
| **3.4.1** | - The pulp was processed without the use of chlorine, halogenated bleaching agents and not readily biodegradable complexing agents such as e.g. ehylenediaminetetraacetic acid (EDTA) and diethylenetriaminepentaacetic acid (DTPA), |
| **3.4.2** | - No additional optical brighteners were added during production of the paper, |
| **3.4.3** | - No wet or dry strength agents or other auxiliaries containing glyoxal were added during production of the paper; |
| **3.5.1** | - No azo dyes or pigments that cleave to any of the amines named in REACH Regulation (EC) No. 1907/ 2006, Annex XVII, No. 43, Annexes 8 and 9, or the latest version of TRGS 614[[8]](#footnote-8) were added as colourants during production of the paper and the wallpaper/woodchip wallpaper,  - No substances containing heavy metals (such as antimony, arsenic, lead, cadmium, chromium VI, mercury and selenium) were added as pigments, |
| **3.5.2** | - To avoid the release of persistent substances into the environment, no perfluorinated and polyfluoroalkyl substances (PFAS) were added during production of the paper and the wallpaper/woodchip wallpaper,  - Flame retardants were not added during production of the paper and the wallpaper/woodchip wallpaper, |
| **3.6** | - No biocides were added to the end product (wallpaper or woodchip wallpaper); - The following requirements were complied with during production of the paper:   * In the production of the paper, only those slimicides (substances in product type 12) and material preservatives for fibres (substances in product type 9) in the sense of the Biocidal Products Regulation that have been approved in accordance with the Biocidal Products Regulation (EU) No. 528/2012 (EU list of approved active substances) or are still being examined as a notified existing active substance for the relevant type of biocides as part of the EU work programme for the systematic examination of all existing active substances were used. In addition, the biocidal products used in the product do not contain any substances that have been considered as candidates for substitution according to Article 10 of Regulation (EU) No. 528/2012, * Accordingly, only those biocidal products classified in product types 9 and 12 that have been explicitly approved for the desired application were used. For a transitional period, biocidal products that contain notified existing active substances of product types 9 and 12 that are still being examined as part of the EU examination process can also be used without approval if they have been registered in accordance with the German ordinance on the notification of biocidal products pursuant to the German Chemicals Act (Biocide Notification Ordinance – ChemBiozidMeldeV); until the approval requirements for the biocidal products containing notified existing active substances come into force, only those substances that are also listed in Recommendation XXXVI from the BfR are permitted, * It is also possible that production aids and paper refining agents used for the production of the wallpaper/woodchip wallpaper contain biocidal products in product type 6 (protection of finished products in containers against microbial deterioration to ensure their shelf life (“in-can preservatives”)) that have been made available on the market, residual content of these biocidal products will be accepted, * However, the finished product must only contain very small quantities of the permitted biocidal substances, * Colourants, surface finishing agents, auxiliaries and coating materials containing 2-methyl-4-isothiazolin-3-one (MIT) or a mixture of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-Methyl-4-isothiazolin-3-one (CIT/MIT 3:1) were only used if it was verified that the following quantities were not exceeded in total in the extracts from the finished wallpaper/woodchip wallpaper: * Mixture of 5-chloro-2-methyl-4-isothiazolin-3-one, approx. 3 parts, and 2-Methyl-4-isothiazolin-3-one, approx. 1 part: 5 μg/dm² * 2-methyl-4-isothiazolin-3-one: 10 μg/dm² * The extracted quantities of the above-named biocides in the finished products were verified accordance with the “Guidelines for verifying the mass transfer from consumer goods made out of paper and board” (Leitfaden zur Überprüfung der Stoffübergänge von Bedarfsgegenständen aus Papier, Karton und Pappe) from the BfR. The extracts were produced in accordance with the “Collection of methods for examining paper and board for food contact” ("Methodensammlung zur Untersuchung von Papier, Karton und Pappe für den Lebensmittelkontakt) from the BfR and in accordance with DIN EN 645 (preparation of a cold water extract); the quantities were determined using LC-MS (liquid chromatography and mass spectrometry); |
| **3.7** | - Based on the “Health-related Evaluation Procedure for Volatile Organic Compound Emissions (VOC) from Building Products”[[9]](#footnote-9) developed by the Committee for Health-Related Evaluation of Building Products, the wallpaper/woodchip wallpaper did not exceed the emission values stated in Table 3-2 in the test chamber,  Table 3-2 Maximum limits for VOC emission parameters   |  |  | | --- | --- | | Parameter | Concentration after 28 days | | TVOC (C6-C16) | ≤100 µg/m³ | | Total SVOC (>C16-C22) | ≤50 µg/m³ | | Total VOC without LCI | ≤50 µg/m³ | | Carcinogens | ≤1.0 µg/m³ per single value | | R-value | ≤ 1 | | Formaldehyde | ≤10 µg/m³ | | Acetaldehyde | ≤ 120 µg/m³ |   TVOC = Total sum of volatile organic compounds; sum of all individual substances found ≥ 5 µg/m³ in the retention range C6 – C16 (between and including n-hexane and n-hexadecane)  TSVOC = Sum of all individual substances ≥ 5 µg/m³ in the retention range > C16 – C22  Carcinogens = Classification according to Regulation (EC) No 1272/2008 Annex VI  R value = Sum of all quotients for the individual concentrations/associated LCI value (Ci / LCIi)  LCI: Lowest Concentration of Interest  (The tests must be carried out in accordance with the latest AgBB procedure and the latest list of LCI values. The loading factor for walls of 1.0 m²/m³ should be used in the test chamber to calculate the emission values. Only the surface facing into the interior of the chamber should be taken into account for the loading factor. The rear side can be sealed with an inert material or a frame (or alternatively the test sample can be placed on the floor of the chamber). Emissions from any coverings around the edge of the test sample must be determined before the start of the test and documented internally at the laboratory. A sensory test can be optionally carried out. The test can be terminated at an early stage (at the earliest on the 7th day after preparing the test specimen) if the permissible emission values for the 28th day have been reached early and no significant increase in the concentration of any of the identified substances has been observed in comparison to the measurement on the 3rd day.) |
| **3.8.1.1** | - The paper is certified with the ecolabel DE-UZ14a or DE-UZ217a,  □ Yes, **valid contract number**   |  |  |  | | --- | --- | --- | |  | Basic Award Criteria (UZ14a or 217a) | Valid contract number | | 1. |  |  | | 2. |  |  | | 3. |  |  | | 4. |  |  |   **If a valid Contract on the Use of the Environmental Label according to DE-UZ14a or DE-UZ217a is submitted, requirement 3.8.1 is automatically fulfilled,**  **If a valid Contract on the Use of the Environmental Label according to DE-UZ217a is submitted, requirements 3.8.1 to 3.8.3 are automatically fulfilled.**  - In the **production of paper for wallpaper/woodchip wallpaper** made of recovered paper, the emission limits for the waste water load that are listed by the EU Commission in the “Best Available Techniques (BAT) Reference Document for the Production of Pulp, Paper and Board PP BREF”10 were complied with by direct dischargers. These limits have been implemented in Germany in Appendix 28 of the German Waste Water Ordinance. (If the production of the paper and the wallpaper/woodchip wallpaper take place at the same site, the requirements also apply to that site);  Table 3-3 Maximum limits for the average annual emission parameters (waste water) in the paper production process   |  |  |  | | --- | --- | --- | | Parameter | Maximum limit for waste water emissions  (average annual value as a load or concentration) | | |  | Paper factory with deinking | Paper factory without deinking | | Volumetric flow rate of waste water | < 25 m3/Adt | < 20 m3/Adt | | COD | < 3 kg/Adt | < 1.2 kg/Adt | | BSB5 | < 0.15 kg/Adt or <25 mg/l | | | AOX | < 0.04 kg/Adt | | | Total N (inorganic + organic N) (TNb) | 0.15 kg/Adt or 15 mg/l | | | Total P | 0.015 kg/Adt or 1.5 mg/l | |   Adt = air dried ton  TNb = total nitrogen bound. This parameter defines the total pollution of water by nitrogen compounds, which can appear in the form of e.g. ammonia, nitrites, nitrates or organic nitrogen compounds. A suitable method for determining this parameter is described in DIN EN 12260. |
| **3.8.1.2** | - In the **production of paper for wallpaper/woodchip wallpaper** made of recovered paper, indirect dischargers complied with the emission limits for the parameters stated in Table 3-3 after treatment, |
| **3.8.2** | - In the production of wallpaper/woodchip wallpaper from recovered paper **at the site where the paper is produced**, the following waste material limits, including sludge from the treatment of the process water, given as an annual average figure as a dry mass, were not exceeded:   |  |  | | --- | --- | | Paper factory with deinking: | 250 kg/t of product | | Paper factory without deinking | 150 kg/t of product | |
| **3.8.3** | - In the production of paper for wallpaper/woodchip wallpaper made out of recovered paper **at the site where the paper is produced**, the following limits for the consumption of electricity and process heat were not exceeded as an annual average:  Table 3-4: Maximum limits for the consumption of process heat and electricity in the production of paper (annual average value in kWh/t)   |  |  |  | | --- | --- | --- | |  | Process heat in kWh/t | Electrical power in kWh/t | | Paper factory with deinking | 1,700 | 1,000 | | Paper factory without deinking | 1,700 | 950 | |
| **3.8.4** | - The paper manufacturer has determined the levels of the following pollutants in the emissions to air at the production plant and should[[10]](#footnote-10) comply with the limits stated in Table 3-5 (measurement specifications, see Appendix D “Measurement of emissions to air”):  Table 3-5: Maximum limits for the average annual emission parameters (emissions to air) in the paper production process (average annual value (AAV) in kg/air dry tonne)   |  |  |  | | --- | --- | --- | |  | Sulphur (S) as AAV | NOx as AAV | | Preparation of the recovered paper | 0.2 kg/t | 0.25 kg/t | | Production of recycled paper | 0.3 kg/t | 0.5 kg/t |   - Emissions during production of the fibrous raw materials (**DIP**) were also taken into account.  - The levels of the following pollutants in the emissions to air at the production plant were determined and should[[11]](#footnote-11) comply with the limits stated in Table 3-6 (measurement specifications, see Appendix D “Measurement of emissions to air”):  Table 3-6: Maximum limits for the average annual emission parameters (emissions to air) in the production of the DIP (average annual value (AAV) in kg/air dry tonne)   |  |  |  | | --- | --- | --- | |  | Sulphur (S) as AAV | NOx as AAV | | Preparation of the recovered paper | 0.2 kg/t | 0.25 kg/t | | Production of recycled paper | 0.3 kg/t | 0.5 kg/t | |  |  |  | |

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| Please ***SELECT*** one answer (please only select **one** option) | | |
| Paragraph | Furthermore, we declare that | **Yes** |
| **3.6** | * Colourants, surface finishing agents, auxiliaries and coating materials containing 2-methyl-4-isothiazolin-3-one (MIT) or a mixture of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-Methyl-4-isothiazolin-3-one (CIT/MIT 3:1) |  |
|  | were **NOT** added |  |
|  | **or** |  |
|  | * Colourants, surface finishing agents, auxiliaries and coating materials containing 2-methyl-4-isothiazolin-3-one (MIT) or a mixture of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-Methyl-4-isothiazolin-3-one (CIT/MIT 3:1) |  |
|  | were added; |  |
|  | Colourants, surface finishing agents, auxiliaries and coating materials containing 2-methyl-4-isothiazolin-3-one (MIT) or a mixture of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-Methyl-4-isothiazolin-3-one (CIT/MIT 3:1)  were only added if it can be verified that the following quantities are not exceeded in total in the extracts from the finished wallpaper/woodchip wallpaper:   * Mixture of 5-chloro-2-methyl-4-isothiazolin-3-one, approx. 3 parts, and 2-Methyl-4-isothiazolin-3-one, approx. 1 part: 5 μg/dm² * 2-methyl-4-isothiazolin-3-one: 10 μg/dm² |  |
|  | ● The extracted quantities of the above-named biocides in the finished products were verified in accordance with the “Guidelines for verifying the mass transfer from consumer goods made out of paper and board” (Leitfaden zur Überprüfung der Stoffübergänge von Bedarfsgegenständen aus Papier, Karton und Pappe) from the BfR.  ● The extracts were produced in accordance with the “Collection of methods for examining paper and board for food contact” ("Methodensammlung zur Untersuchung von Papier, Karton und Pappe für den Lebensmittelkontakt) from the BfR and in accordance with DIN EN 645 (preparation of a cold water extract).   ● The quantities were determined using LC-MS (liquid chromatography and mass spectrometry).  ● The test report from an independent testing institution, accredited according to ISO 17025, is enclosed. |  |

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| --- | --- | --- | --- |
| **Location:** |  |  |  |
|  |  |  |
| **Date:** |  |  |

**Legally binding signature of the paper manufacturer / company stamp**

**Annexes:**

Annex 1 for Paper Manufacturers Using Recovered Paper

Annex 2 for Paper Manufacturers

Annex 3 for the Chemical Suppliers

Annex 4 or

Annex 5

Annex 6 I and 6 II (if a woodchip wallpaper)

Test report on VOC emissions, pursuant to Paragraph 3.7 in accordance with DIN EN 16516:2020-10

Recycling and disposal channels for waste at the site where the paper is produced

Test report for emissions to air according to Paragraph 3.8.4 for the site where the paper is produced

FSC/PEFC certificate for the woodchips in the woodchip wallpaper

Product sample

1. https://echa.europa.eu/web/guest/candidate-list-table. The version of the list of candidates at the time of application is valid. The label holder is obligated to take into account current developments on the list of candidates. If an ingredient is newly added to the list of candidates during the term of the Basic Award Criteria, the label holder must submit an informal notification within one month stating the name of the substance, its CAS or EC number and possible substitutes. The licence holder will then be given a deadline to substitute this ingredient. [↑](#footnote-ref-1)
2. The current version of the CLP Regulation at the time of application is valid. The label holder is obligated to take into account current developments with the CLP Regulation. If an ingredient is classified with one of the named hazard categories during the term of the Basic Award Criteria, the licence holder must submit an informal notification within one month stating the name of the substance, its CAS or EC number, the new hazard category and possible substitutes. The licence holder will then be given a deadline to substitute this ingredient. [↑](#footnote-ref-2)
3. New hazard categories in the CLP Regulation, legally binding from 1 May 2025 at the latest for substances newly placed onto the market. A later deadline applies to existing substances on the market, except for categories ED HH 1 or ED HH 2: legally binding by 1 November 2026 at the latest. [↑](#footnote-ref-3)
4. See footnote 3 [↑](#footnote-ref-4)
5. See footnote 3 [↑](#footnote-ref-5)
6. See footnote 3 [↑](#footnote-ref-6)
7. <http://www.baua.de/nn_16790/de/Themen-von-A-Z/Gefahrstoffe/TRGS/pdf/TRGS-614.pdf> [↑](#footnote-ref-7)
8. https://www.baua.de/DE/Angebote/Regelwerk/TRGS/TRGS-614.html [↑](#footnote-ref-8)
9. <https://www.umweltbundesamt.de/themen/gesundheit/kommissionen-arbeitsgruppen/ausschuss-zur-gesundheitlichen-bewertung-von> [↑](#footnote-ref-9)
10. This is considered a “should” requirement and not a “must” requirement, i.e. the measurements must be carried out but it is not necessary to comply with the limits. [↑](#footnote-ref-10)
11. This is considered a “should” requirement and not a “must” requirement, i.e. the measurements must be carried out but it is not necessary to comply with the limits. [↑](#footnote-ref-11)