

Appendix 1 to the Basic Award Criteria RAL UZ 195

INGEDE test methods – instructions for completion

1. Deinking test

In cooperation with the printing company and the ink/varnish manufacturers, the applicant ideally organises for the completion of deinking tests in accordance with INGEDE Method 11.

The test is carried out on two types of paper: coated and uncoated paper, which have been awarded the environmental labels UZ14 or UZ72. In the case of inkjet printing, it is not permissible to simplify the types of paper to coated and uncoated because the deinkability is highly dependent here on the paper, printing ink and, if used, primer. Therefore, it is only possible in this case to certify the ink used in combination with the paper used. If only one type of paper is used, it is only necessary to carry out the test on this type of paper. Precisely specified series of printing inks or varnishes from one manufacturer must be used for the test. The test report must state both the paper (trade name, coated/uncoated, manufacturer) used for the test and the precise description of the printing inks (trade name, colour tone, manufacturer).

If additional varnishes or other coating materials that could influence the deinkability are used, verification of the deinkability of these defined substances must be additionally provided (paper + printing ink + varnish/coating material). These additional substances must also be stated in the test report with their trade names and manufacturers.

If printing ink series are very similar¹, it is possible to cover multiple series with one test if a declaration from the printing ink manufacturer is submitted.

Example: "Fictitious ink 200" has been tested and approved for all four colour tones. The composition of the inks in the series "Fictitious ink 300" differs only slightly from "Fictitious ink 200". The ink manufacturer must submit a declaration on this matter and approval can also be issued for "Fictitious ink 300" subject to the results of the test. If there is verification in accordance with the Deinkability Scorecard from the ERPC, approval will be issued by RAL for all printed matter that is produced with these specifications without each one requiring special individual verification.

¹ 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.

This approval can also be issued for products from other label holders if the corresponding verification of the deinkability (e.g. from the supplier of the ink and/or varnish) is provided to the relevant applicant. The verification of the deinkability must not be more than 3 years old.

In the case of reasonable doubt about the conformity of the product in the application and the boundary conditions in the submitted verification of deinkability, RAL can request a special deinking test from the applicant for the product stated in the application.

If printing ink tests from more than one manufacturer are used, the test must be carried out separately for each manufacturer.

Examples:

Composition of the printed matter	Number of tests
coated paper + 1 set of printing inks	1
uncoated + coated paper + 1 set of printing inks	2
coated paper + 2 sets of printing inks (same manufacturer)	1 + manufacturer declaration; if a declaration is not possible: 2
coated paper + 2 sets of printing inks (different manufacturers)	2
uncoated + coated paper + 2 sets of printing inks (same manufacturer)	2 + manufacturer declaration; if a declaration is not possible: 4
uncoated + coated paper + 2 sets of printing inks (different manufacturers)	4
coated paper + 1 set of printing inks + 1 varnish	1
coated paper + 1 set of printing inks with and without varnish	2
coated paper + 1 set of printing inks + 2 varnishes	2
coated paper + 2 sets of printing inks (different manufacturers) + 2 varnishes	4
1 paper + 1 set of inks (inkjet printer)	1
2 papers + 2 sets of inks (inkjet printer)	4

2. Removability of adhesives

A test according to INGED Method 12 must be submitted for all non water-based adhesives.

A test must be carried out for each glue used. An exception is made here for side and back glues. These can be tested in combination in a joint test.

The test report must state both the paper (trade name, coated/uncoated, manufacturer) used for the test and the precise description of the adhesive (trade name, type of

adhesive, manufacturer). In addition, the coating thickness and the type of application used for the adhesive (selective, full surface) must be stated. These factors must not differ in any of the printing products produced compared to the sample tested.

If more than one side or back glue is used in combination, a test must be carried out separately for each combination.

Examples:

Composition of the printed matter	Number of tests
1 glue	1
2 glues	2
1 side glue + 1 back glue	1
2 side glues + 1 back glue	2
1 side glue + 2 back glues	2
2 side glues + 2 back glues	4