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Application guidelines for the GVD scheme

These guidelines apply to applications for building components in contact with drinking water in the GVD scheme. A GVD approval only concerns the health-related properties of the building component and not the physical-mechanical characteristics.

To ensure a fulfilling application for GDV approval, we recommend that you read these guidelines thoroughly.

The application guidelines should be read in conjunction with:

- Guidelines for building components approved for use with drinking water
- The testing requirements form: Overview of testing requirements for different types of building components approved for use with drinking water
- Relevant material specification(s)
- Inspection guidelines for building components approved for use with drinking water

These guidelines are available on the Danish Transport, Construction and Housing Authority's website [here](#).

Preparation of application

Before filling-in the application form, it is important to define which versions of the building component that are to be included in the application. The specific product name(s), versions with item name and dimensions must appear clearly as well as whether it should be possible to produce them in an on-demand production. In addition, there must be a defined test version ("worst case") for the building component for which the approval concerns.

The application cannot be processed until it is fully elucidated. Therefore, you shall not submit the application to the Danish Transport, Construction and Housing Authority until all relevant documentation for the building component (including test reports etc.) is available.

Applications are submitted via the electronic application form on indberet.virk.dk.

Content of the application

The application for GDV approval includes the following:

1. The electronic application form
2. List of versions of the applied building component
3. Photo(s)
4. Drawing(s)
5. Material specification(s)
6. Toxicological assessment (if required)
7. Test program (if required)
8. Test reports (if required)
9. Toxicological assessment of the test result (if relevant)
10. Identification of confidential substances and their test values (if relevant)
11. Certificates/approvals documenting health-related characteristics of the building component or its components (if relevant)
12. Inspection agreement or any conditional inspection agreement or declaration regarding an inspection agreement made
13. Power of attorney to act on behalf of the applicant (if relevant)

All documentation must be clear and compliant. If the Danish Transport, Construction and Housing Authority evaluates that the submitted material is not compliant, the application will be declined.

The documentation must be submitted in Danish or English. If the documentation is prepared in any other language, it shall be submitted with a translation into either Danish or English to be included in the Danish Transport, Construction and Housing Authority's evaluation of the application. It is the responsibility of the applicant to arrange for any translations.

The contents of the mentioned 13 points in the application are described in detail below.

Re. 1: The electronic application form

The electronic application form for the GDV scheme is available in both Danish and English on indberet.virk.dk.

The applicant shall give an account for a number of master data, including clear information on applicant, contact person, and place(s) of production. If there are more than one production site, these may be stated by adding extra spaces in the application form.

The type of building component relating to the application must also be stated, including which types of material are contained in the parts of the building component in contact with drinking water.

The application is a solemn declaration stating that all information and attached files are correct.

The application can include one, two or more building components that have the same health-related properties, and which are identical in terms of purpose, design, and material composition. Building components produced and marketed as combinations of different sub-components may be included in the same application if the individual sub-components are tested separately.

The Danish Transport, Construction and Housing Authority will specifically evaluate which building components the application may cover. The Authority will assess whether the individual small sub-components can form part of a building component or versions thereof in spite of deviations in e.g. construction, manufacturing process or material composition.

By inserting a check mark in the application form, a solemn declaration is made regarding establishment of a self-regulation system. This declaration are available on the Danish Transport, Construction and Housing Authority's website and can be read [here](#).

The application has been submitted when the Danish Transport, Construction and Housing Authority has received the completed application form with the necessary documentation. Shortly after submitting the application, the applicant will receive an auto-reply with a confirmation of receipt. The confirmation contains a copy of the completed application form. Subsequently, the Danish Transport, Construction and Housing Authority will submit a new confirmation of receipt with the application case number.

Re 2: List of versions of the applied building component

A list clearly identifying all versions of the building component covered by the application must be attached to the application. The list of versions may be prepared by using the list of versions template available on the website [here](#).

It is not a requirement to use the Danish Transport, Construction and Housing Authority's template, but the list of versions must in any case contain the same information in regards to brand name, product name and versions and must be in a format that makes it possible to copy text from the list without difficulties. It is optional to note any overall model, component and series numbers. The information of brand name and product name as well as any model, component and series

numbers will be stated in the approval and in the certificate as the overall identification of the approved building component. The Danish Transport, Construction and Housing Authority will evaluate whether a list of versions can be accepted.

Besides the overall product name, it is also a requirement to state the component name, relevant dimensions and any model/component/series number for each version covered by the application. In this way, the individual version can always be identified and included in the approval.

To a certain extent, it is possible to combine several versions under one description, e.g. a building component with a specific diameter, but several different lengths. The Authority will assess if the versions can be combined in one application.

Re 3: Photo(s)

One or more photographs, providing a fair representation of all the version types of the building component under application, must be attached. A photo of the test version must always be included.

If the building component is to be shown in the certificate, the photo must illustrate the building component on a white background.

Re 4: Drawing(s)

One or more drawings, providing a fair representation of the building component under application, must be attached. The drawings must include the product name and/or component/serial number of the building component and a specification of measurements.

If all versions of the building component applied for are identical in their design, it is sufficient to submit drawings for the building component most representative and constituting the test version. If there are variants/types of versions among the versions under application, or if the application is also concerning a supply of building components with special dimensions in accordance with specific orders (on-demand production), i.e. a range of building components, then the drawings must be representative of the applied range.

The drawings must be assembly drawings in the form of "exploded view" drawings clearly illustrating and identifying the components that are in contact with or may cause migration to the drinking water. If individual components of the building component are not subject to requirements regarding approval and testing (e.g. if the water contact area is below 4 cm²) exploded view drawings illustrating this must be attached.

Re 5: Material specification(s) for the materials of the building component and the testversion

A schedule of materials must be completed with information on sub-components and types of materials for the testversion ("worst case") of the building component in regards to any migration of unhealthy substances to the drinking water. The schedule of material must comply with the building component(s) relevant to the application.

Templates for material specifications are found on the website [here](#). Information about components or types of materials for versions that differs from the information from the testversion must also be noted in the material specification.

If you apply for the possibility to produce the building component with "on-demand" production upon special order within a given spectrum, going beyond the versions stated in list of versions, then the specific product spectrum for the "on-demand" production must be filled out in the material specification. The product spectrum for on-demand production must be concurrent with the test version for the applied building component. Leave the space blank if no "on-demand" production is requested.

The Danish Transport, Construction and Housing Authority may exceptionally accept that other material lists, BOM lists or material specifications are submitted, if only the submitted documents contain the same information on components and material as requested in the material specification. The test version ("worst case") of the building component shall, however, always be specified as well as information on "on-demand" production (if relevant).

If foreign certificates or approvals are to be used as documentation for the health-related properties of the building component or sub-components contained therein (see Re. 11), it should be stated in the relevant material specification with a clear reference to the scheme and the approval number.

Re. 6: Toxicological assessment (if required)

A toxicological assessment is required in cases where the building component contains plastic or elastomers. It appears from the guidelines for the relevant material specifications and in the testing requirements form that the composition of the building component shall be reviewed by a toxicological advisor. In such cases, it is a requirement to attach the toxicological assessment of which substances the building component may release into the drinking water to the application.

In section 4.5 of the Guidelines on building components approved for drinking water (found [here](#)) the requirements for the toxicological advisor's assessment of potential migration from the building component's organic materials is further described. There are two overall purposes of the toxicological advisor: to develop the test program and to assess if the test results are compliant with the requirements of the Executive Order. The toxicological assessment shall include professional reasons for the relevance of testing or not testing for certain substances in connection with the test version ("worst case") of the building component applied for.

The Authority recommends that the toxicological advisor has an academic degree in toxicology, pharmacology, medicine or similar and that the toxicological assessment is checked by another toxicological advisor with minimum the same level of education and experience.

Re. 7: Test program (if required)

A test program is required for applications where it appears from the guidelines for the relevant material specifications and in the testing requirement form that the composition of the building component shall be reviewed by a toxicological advisor. In such cases, it is a requirement to attach to the application a test programme prepared by the toxicological advisor in order to evaluate which substances the building component may release into the drinking water. If the test program is part of the same document as the toxicological assessment of the building component, it is only necessary to attach the document once.

The test program should only include the part of the substances that are harmful to the health and relevant for testing, e.g. the substances that, based on a justified, professional assessment, are suspected to be released into the drinking water by the building component.

Re. 8: Test report(s) (if required)

Test reports are attached to the application to the extent required in accordance with the guidelines in the material specification and the test requirement form. Further test reports shall be attached for the tests appearing from a test program for the building component, if relevant.

It shall appear clearly from the test report that the test has been made on the test version of the building component applied for.

Re. 9: Toxicological assessment of the test result (if relevant)

Tests made according to a test program shall be attached to the subsequent assessment of the test result of the toxicological advisor.

Re. 10: Identification of confidential substances and their test values (if necessary)

If the test report contains tests of anonymized substances, the Danish Transport, Construction and Housing Authority must be informed of the substances and their test values.

The information must be forwarded to the Danish Transport, Construction and Housing Authority by the toxicological advisor with reference to the relevant file number.

Re. 11: If relevant, licenses/approvals documenting health-related characteristics of the building component or its components

If you want to use a certificate or an approval as documentation for the health-related properties instead of test documentation, the certificate/approval type and approval number for the component in question shall be stated in the material specification. Certificates or approvals referred to must be attached to the application. Valid GDV approvals are, however, exempted.

Only certificates/approvals for actual building components or sub-components can be used. Certificates or approvals for materials cannot be used as documentation.

The following certificates/approvals can be used as health-related documentation for building components or individual parts made of plastic/elastomer:

- A Danish GDV approval
- A German KTW certificate (Materialien in Kontakt mit Trinkwasser)
- A German DVGW certificate
- A Dutch ATA approval (Attest Toxicological Aspests)/The Kiwa Water Mark

It is a condition for the use of these certificates/approvals that the building component applied for or the relevant individual part can be traced. If it is not clear that the certificate/approval is valid for the building component or individual part in question, the certificate/approval cannot be used for health-related documentation. The Danish

Transport, Construction and Housing Authority will evaluate whether the documentation is sufficient.

The Danish Transport, Construction and Housing Authority may require that foreign certificates/approvals are translated into Danish or English to the extent necessary to ensure that the building component or sub-component for which GDV approval is applied can be traced. The certification/approval specifications of the building component should always be translated into Danish or English in order to be included in the Danish Transport, Construction and Housing Authority's consideration of the application.

Foreign certificates/approvals cannot be used for building components or sub-components made from metal.

Re. 12: Inspection agreement, conditional inspection agreement or declaration regarding an inspection agreement made

A signed, final agreement about annual inspection with a supervisory body accredited under EN ISO/IEC 17020 to carry out inspections in the GDV scheme must be submitted to the application.

The inspection agreement shall be valid for the entire approval period and refer to the legal basis for "Approved for use with drinking water" (GDV) scheme. It shall be clearly stated in the agreement or in an appendix which building components are covered by the agreement. It may consist of a reference to the list of versions submitted with the application form.

The inspection agreement shall be prepared in accordance with the principles in the template "Example of annual inspection agreement" appearing from the appendix D to the inspection guidelines found [here](#).

The inspection agreement must be attached to the application form.

It is also possible to submit a conditional agreement with an inspection body regarding accredited inspection on condition that an approval of the building component is obtained. You can find the form regarding declaration on inspection agreement on the GDV scheme's part of the Danish Transport, Construction and Housing Authority's website [here](#).

If only a conditional inspection agreement or a solemn declaration of an inspection agreement is attached to the application, the final inspection agreement shall be submitted to the Danish Transport, Construction and Housing Authority not later than 2 months before the first inspection. The solemn declaration of an inspection agreement for the building component is found [here](#).

Re. 13: If relevant, power of attorney to act on behalf of the applicant

If you want another person or other persons to be able to submit information and documentation or receive information regarding the application, a power of attorney for such person(s) must be attached to the application. There are no requirements as to the wording of the power of attorney, but it shall state the name(s) of the authorized person(s) and what the power of attorney covers.

It is not necessary to attach a power of attorney for the contact person in question if the person is employed with the company applying for approval and is appointed to attend to this task.

When the application has been submitted

You will automatically receive a receipt when the Danish Transport, Construction and Housing Authority has received the application from virk.dk. When the application has been filed with the Danish Transport, Construction and Housing Authority, you will receive an acknowledgement of receipt with an application number.

The Danish Transport, Construction and Housing Authority can be contacted on GDV@tbst.dk. Please refer to the application number when contacting us regarding already submitted applications.