

The Danish Transport, Construction and Housing Authority's guidelines on health-related documentation for building components that come into contact with drinking water in connection with placement on the market and sales in Denmark

Introduction:

The overall purpose of the regulations on building components that come into contact with drinking water is to ensure that the building components as far as possible do not release substances hazardous to human health into the drinking water.

The Executive Order on the placement on the market and sale of building components that come into contact with drinking water stipulates that building components that come into contact with drinking water may be placed on the market and sold, if it can be documented that the building component as a whole or the subassemblies in contact with water of which the building component consists, are:

1. approved by the Danish Transport, Construction and Housing Authority (GDV approval);
2. certified in Germany in accordance with the scheme that is applicable in Germany; or
3. approved in the Netherlands in accordance with the scheme that is applicable in the Netherlands; or
4. type-approved in Sweden.

The purpose of these guidelines is to clarify and present the requirements of the Executive Order.

The guidelines provide an overview of the certificates, type approvals and approvals, which can document that the building component satisfies the requirements of the Executive Order. It is the responsibility of the applicant to document traceability from the certificate to the building component.

For questions concerning health-related documentation in relation to placement on the market and sales, cf. points 1–4 above, please contact the Danish Transport, Construction and Housing Authority.

Health-related documentation for building components that come into contact with drinking water:

Companies that place on the market or sell building components, cf. section 3(1) nos. 1–4 of the Executive Order, must always be able to document that the building component satisfies the Executive Order's requirements. This applies to all companies that sell or place on the market and therefore applies to producers, importers and traders alike.

Figure 1 lists the certificates, type approvals and GDV approvals, which can document that the building component complies with the Executive Order. In addition to these, there are also the

health-related VA (*vand- og afløbsinstallationer*, i.e. water and drainage installations) approvals that were valid as at 1 April 2013 and which can be placed on the market and sold until 1 July 2017.

Figure 1. Health-related documentation for building components that come into contact with drinking water: the Danish GDV scheme, the German scheme, the Swedish type approvals or the Dutch approval scheme:

	Danish GDV scheme	German scheme	Swedish type approval scheme	Dutch approval scheme
Documentation for metals	GDV approval (certificate) based on finished goods testing, cf. Annex 1, table 2, of the Executive Order	DVGW certificate (<i>Deutscher Verein des Gas-und Wasserfaches e.V.</i>)	Swedish type approval from either <i>SP Sveriges Tekniska forskningsinstitut</i> or <i>Kiwa Sverige</i>	The Dutch ATA approval (Attest Toxicological aspects) / The Kiwa Water Mark
Documentation for plastic and elastomers	GDV certificate based on toxicological assessment and testing and/or KTW certificate (Materialien in Kontakt mit Trinkwasser) and/or DVGW certificate and/or the Dutch ATA approval (Attest Toxicological aspects) / The Kiwa Water Mark*	DVGW certificate (Deutscher Verein des Gas-und Wasserfaches e.V.)	Swedish type approval from either <i>SP Sveriges Tekniska forskningsinstitut</i> or <i>Kiwa Sverige</i> .	The Dutch ATA approval (Attest Toxicological aspects) / The Kiwa Water Mark
Composite products, e.g. taps	GDV certificate for the building component as a whole or for the individual subassemblies.	DVGW certificate (Deutscher Verein des Gas-und Wasserfaches e.V.)	Swedish type approval from either <i>SP Sveriges Tekniska forskningsinstitut</i> or <i>Kiwa Sverige</i>	The Dutch ATA approval (Attest Toxicological aspects) / The Kiwa Water Mark

* It is the responsibility of the applicant to document traceability from the certificate to the building component. The KTW/DVGW certificates and the ATA/Kiwa Water Mark approvals can be used under the Danish GDV scheme as health-related documentation for the types of material/conditions listed as having been tested/assessed in the certificates/approvals in question. For example, if a KTW certificate for a subassembly made from both plastic and elastomer has not been based on testing/assessment of the elastomer components, then the Danish Transport, Construction and Housing Authority can demand supplementary health-related documentation for these elastomer components, cf. Annex 1 to the Executive Order. There may also be conditions such as bacteria/bacterial growth in filters in water treatment installations, for which KTW/DVGW certificates do not provide health-related documentation, and for which the Danish Transport, Construction and Housing Authority may therefore require health-related documentation, cf. Annex 1 of the Executive Order. To retain a GDV approval throughout the GDV approval period a holder of a GDV approval must always be able to document to the Danish Transport, Construction and Housing Authority that the foreign certificates used in the GDV approval are valid. The Danish Transport, Construction and Housing Authority may require foreign certificates to be translated into Danish or English to the extent that is necessary to ensure traceability for the building component or subassembly for which a GDV approval is sought.

Market surveillance:

Companies that place on the market and sell building components, cf. section 3(1), nos. 1–4, must produce documentation commensurate with the above in connection with market surveillance. This also applies to the health-related VA (*vand- og afløbsinstallationer*, i.e. water and drainage installations) approvals that were valid as at 1 April 2013 and which can be placed on the market and sold until 1 July 2017. In connection with its market surveillance, the Danish Transport, Construction and Housing Authority may require that the producer, importer and/or the trader provide information to verify e.g. the authenticity, traceability and validity of DVGW certificates, ATA approvals/Kiwa Water Marks, Swedish type approvals, Danish GDV approvals or the health-related VA approvals valid up to and including 1 July 2017.

To meet the requirement for documentation, the producer, importer and/or trader can, for example, document that the building component can be classified in accordance with a specific certificate number or approval number, e.g. featuring on the building component, packaging, accompanying documents or similar.

Building components that have been granted Danish GDV approval may be marked with "Godkendt til drikkevand" (approved for drinking water). As an alternative to physical marking on the building component, packaging, etc., building components with GDV approval may be marked digitally. A digital mark must be immediately accessible and readable, as is the case with a printed marking. Digital marking may take place, for example, by placing a barcode on the building component, packaging, etc. which contains a link to a specific website where the specific statutory information, cf. the Executive Order, for the building component in question can be found. The purpose is for the consumer or installer to have direct access to the relevant information, including the specific GDV approval number combined with the drop mark. It is therefore not enough to have a general link to the trader's website, as the link must go directly to the information about the building component in question.

Links to lists of selected foreign certificates:

Link to information on valid type-approved products on SP's website:

<http://www.sp.se/sv/index/services/certprod/certprodprofil/bygg/tappv/Sidor/default.aspx>

Link to information on products approved by KIWA Sweden:

<http://application.kiwa.se/search/>

Link to information about applicable DVGW certificates can be found here:

<http://mycert.dvgw-cert.com/verzeichnisse/index/7/de/produkte-wasser/verzeichnisse.html>

Link to information about applicable ATA/Kiwa Water Mark approvals can be found here:

<http://www.kiwa.nl/gecertificeerde-bedrijven.aspx>