



Product certificate K41838/05

Issued 2020-09-15

Replaces K41838/04

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Piping systems and fittings made of glass-reinforced polyester for the transport of drinking water with or without pressure

STATEMENT BY KIWA

With this product certificate, issued in accordance with the Kiwa Regulations for Certification, Kiwa declares that legitimate confidence exists that the products supplied by

Amiblu Technology AS

as specified in this product certificate and marked with the Kiwa®-mark in the manner as indicated in this technical approval-with-product certificate may, on delivery, be relied upon to comply with Kiwa evaluation guideline BRL-K17605 "Water supply with or without pressure - GRP based on unsaturated polyester resin" dated 06-10-2016.

Within the framework of this technical approval-with-product certificate Kiwa does not impose any inspections with regard to the production of other parts of the plastics piping system, nor the manufacturing of the plastics piping system itself.

Ron Scheepers
Kiwa

Publication of this certificate is allowed.

Advice: consult www.kiwa.nl in order to ensure that this certificate is still valid.

CERTIFICATE

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Certification process
consists of initial and
regular assessment of:

- quality system
- product

Piping systems and fittings made of glass-reinforced polyester for the transport of drinking water with or without pressure

PRODUCT SPECIFICATION

The products mentioned below belong to this product certificate.

General

To this certificate belong pipes, fittings and joints in conformity with evaluation guideline BRL K17605 "Plastics piping systems for water supply – Glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester resin (UP) dated 2016-10-06".

This means that the products also comply to NEN-EN 1796 and DVS Guideline 2220/EN13121-3, Annex E.

Pipes and couplings

Pipes and couplings are designed for uni-axial use (without hydrostatic end thrust). Only couplings, consisting of a GRP sleeve with a permanently rubber gasket seal belong to this certificate.

Fittings

Fittings are manufactured from straight pipe using approved materials and appropriate recipes. Only pipes and materials which meet the requirements of BRL K17605 shall be used for fitting production.

Pressure class (PN)

1, 2.5, 4, 6, 10, 12.5, 16, 20, 25, 32.

Nominal diameter (DN)

300, 350, 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1300, 1400, 1500, 1600, 1700, 1800, 1900, 2000, 2100, 2200, 2300, 2400, 2500, 2600, 2700, 2800, 2900, 3000.

Stiffness class (SN)

1250, 2500, 5000, 10000, if desired, higher stiffness classes can be manufactured.

Fitness for contact with drinking water

The pipes and fittings used in this system are approved on the basis of the requirements for hygienic aspects set in the "Regeling materialen en chemicaliën drink- en warm tapwatervoorziening" dated 01-07-2017 ("Materials and chemicals in the supply of drinking water and warm tap water Regulation"), published in the Government Gazette. The criteria for these hygienic aspects are recorded in the respective product certificates.

MARKING

Pipes

Marking details shall be printed or formed directly on the pipe in such a way that the marking does not initiate cracks or other types of failure. If printing is used, the colouring of the printed information shall differ from the basic colouring of the product and such that the markings shall be readable without magnification.

The following marking details shall be on the outside of each pipe, and in the case of pipes of DN 600 or greater shall be either on the inside or on the outside surface:

- Number of this evaluation guideline or the applicable standard: "BRL K17605" or "EN 1796";
- Nominal size DN and diameter series: "B1 or B2";
- Stiffness rating;
- Pressure rating;
- Certificate number;
- Manufacturer's name or identification;
- Date or code of manufacturer;
- Quality mark: KIWA .

Note: Pipe is supplied by the factory with a coupling installed on one end. Pipe and coupling may also be supplied separately upon request.

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Couplings

Marking details shall be printed or formed directly on the couplings in such a way that the marking does not initiate cracks or other types of failure. If printing is used, the colouring of the printed information shall differ from the basic colouring of the product and such that the markings shall be readable without magnification.

The following marking details shall be on the outside of each coupling, and in the case of couplings of DN 600 or greater shall be either on the inside or on the outside surface:

- Number of this evaluation guideline or applicable standard: "BRL K17605" or "EN 1796";.
- Nominal size DN and diameter series: "B1 or B2";
- Pressure rating;
- Manufacturer's name or identification;
- Certificate number;
- Date or code of manufacturer;
- Quality mark: KIWA , or for small fittings the abbreviated certification mark: KK.

Note: Pipe is supplied by the factory with a coupling installed on one end. Pipe and coupling may also be supplied separately upon request.

Fittings

Marking details shall be printed or formed directly on the fitting in such a way that the marking does not initiate cracks or other types of failure. If printing is used, the colouring of the printed information shall differ from the basic colouring of the product and such that the markings shall be readable without magnification.

The following marking shall be on the outside of each fitting:

- Number of this evaluation guideline or applicable standard: "BRL K17605" or "EN 1796";.
- Nominal size DN and diameter series: "B1 or B2";
- For bends, branches or saddles, the designated fitting angle;
- For reducers nominal sizes DN1 and DN2;
- Stiffness rating;
- Pressure rating;
- Certificate number;
- Joint type: "flexible joint" and "non end-load-bearing";
- Manufacturer's name or identification;
- Date or code of manufacturer;
- Quality mark: KIWA , or for small fittings the abbreviated certification mark: KK.

RECOMMENDATIONS FOR CUSTOMERS

Check at the time of delivery whether:

- the supplier has delivered in accordance with the agreement;
- the mark and the marking method are correct;
- the products show no visible defects as a result of transport etc.

If you should reject a product on the basis of the above, please contact:

- Amiblu Technology AS
- and, if necessary,
- Kiwa Nederland B.V.

Consult the supplier's processing guidelines for the proper storage, transport and processing methods.