



SWEDISH TYPE APPROVAL 0902 WITH DECISION ON PRODUCTION CONTROL

Holder: Georg Fischer Hakan Plastik Boru Ve Profil San Tic A.Ş.

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Noise reducing wastewater system

Product description

Noise reducing wastewater system of mineral-reinforced polypropylene (PP) pipes and fittings in dimensions: DN 50 mm, DN 75 mm, DN 110 mm, DN 125 mm and DN 160 mm.

Intended use

Noise reducing wastewater system for sewage removal services inside and outside buildings where the temperature can briefly reach 95 °C.

Scope

GF Silenta 3A PP

Approval

The products meet the requirements of Chapter 8, Section 4, of the “Planning and Building Act” (PBA) regarding the technical characteristics of construction works, 3. Protection regarding hygiene, health and environment, depending on, that what is stated in this approval is followed. The products are approved according to the following section(s) of “Boverket’s Building Regulations” (BBR):

Construction products with assessed properties	1:4
Wastewater installations	6:641
Surface water installations	6:642
Design	6:644, paragraph 1

Marking

Marking must be affixed on the product or, if there are special reasons, on the packaging or the delivery note. Marking shall indicate the following information:

Holder:

Product name, and relevant article number:

Production site:

Traceability to the production:

Information about requirements or class, if relevant:

The registered trademark of Boverket No 241 217:

Certification Body:

Accreditation number:

Type Approval No:

Inspection Body:

GF Hakan Plastik

+GF+ Silenta 3A

GF Hakan Plastik,

Çerkezköy/Tekirdağ, Turkey

(e.g. yyyy-mm-dd or batchnumber)

EN 1451-1

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Kiwa Sverige AB

1913

TG 0902

RISE



CERTIFIKAT

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Accred. no. 1913
Certification of
Products
ISO/IEC 17065

Control

The manufacturers' continuing internal control is combined with surveillance inspections conducted by an accredited Inspection Body.

Inspection Body: **RISE**

Inspection agreement: **210-13-0199, updated 17/09/2015**

Factory production control shall be carried out in accordance with the instructions for control, dated 26 October 2020.

During inspection at the construction site, the building proprietor must verify the identity of the product by means of the marking. Furthermore, the building proprietor must ensure that the correct products are delivered and that they are installed in accordance with the manufacturer's instructions in the accompanying documents. It must also be verified that the product is accompanied by a manufacturer's declaration that certifies that production has been carried out in accordance with the documents that formed the basis for this type approval.

The validity of the Swedish Type Approval also implies that the factory production control is carried out according to the instructions for control and that the holder annually fulfils the requirement in "Boverket's regulations and general recommendations for type approval", BFS 2013:6, § 5 (TYP 7), on continuing internal control. The holder shall annually, at the latest on the 15th of December, report to Kiwa Certification at the e-mail address se.annualreporting@kiwa.com about continuing surveillance.

Associated documents

Installation manual" EASY AND QUICK INSTALLATION 3AA" dated 2015/05 by Kiwa Sverige AB

The assessment basis for the approval

Test report No. FX218830 by SP and P-BA 187/2009e by Fraunhofer IBP

Audit report No. 9F030599 by RISE

Comments

- Continuous water temperature may amount to 45 °C and briefly to a maximum of 95 °C

- During installation, the material length extension due to temperature influence is considered, installation must be carried out so that the extension is occupied by the system. Expansion-absorbing parts must be fixed. Installations with Silenta 3A PP must be designed so that capacity-reducing sludge deposits are not expected to occur and are provided with accessible treatment devices. It must be possible to clean with commonly used cleaning devices. As the noise reducing ability of the product depends on the design of the installation.

The Type approval is valid provided that the product shall neither be CE marked according to the Construction Product Regulation (EU) No 305/2011 (CPR), nor has it been suspended or withdrawn by Kiwa Sverige AB.


Date of decision: 26 October 2020

Registration number: 911/20

Valid until: 25 October 2025

Previous registration number: 722/16


Bengt-Olov Andin


Deo Yamabo