

TYPE APPROVAL DECISION



Issued 13.11.2020

Updated 11.2.2021

Valid until 13.11.2025

Eurofins Expert Services Oy has, based on the act given about the approval of certain construction products (954/2012) 5§ and taking into account the provisions of the chapter 2 and provisions of 1§ of decree given by the Ministry of the Environment on the approval of certain construction products (555/2013), issued the following type approval.

MANUFACTURER

Nordisk Wavin A/S, Hammel, Denmark

PRODUCT

Wavin PEX-pipe system:

Pex-one PE-Xc/Evoh pipes

dimensions 12, 15, 18, 22 and 28 mm

Compression fitting of brass

dimensions 12, 15, 18 mm

Manifold of brass

dimensions ¾", outlets with threads ½" 2-5 pcs

Tigris K2 press fitting PPSU/stainless steel

dimensions 15 mm

K1 manifold made of PPSU

dimension ½" threads, 2-4 outlets

K1 Manifold elbow and straight connectors with PPSU body

dimension ¾" male

SCOPE OF THE APPROVAL

This approval certifies that the above mentioned PEX pipes and their fittings fulfil the requirements set for PEX pipes and fittings in the Decree of the Finnish Ministry of Environment 476/2018 and 499/2019 in application class 2. The constant water temperature shall be maximum of 70°C and the momentary maximum of 95°C with a design pressure 1 MPa.

This Type Approval includes the components and raw-materials which the applicant has declared in the application.

CONDITIONS OF THE APPROVAL

The pipe connections shall be made using the fittings in accordance with this type approval.

The technical information of the product and the installation instructions shall be delivered with the product.

The installation work shall be carried out following the instructions of the local officials and installation instructions given by the manufacturer and by using the special tools recommend by the manufacturer.

MARKING

The manufacturer shall permanently mark PEX pipes and their couplings so that they can be individually identified and traced. The manufacturer shall permanently mark the fittings so that at least the manufacturer's name or brand, nominal size of the PEX pipe fittings and dezincification marking "CR" or "DZR" on the brass fittings.

To the product, it's packing or documents delivered with the packing shall be marked with a attached type approval mark, type approval number in a form "19-004117-TH" and the name and sign of the manufacturer.

VALIDITY PERIOD

The validity of this decision starts on 13.11.2020 and ends no later than on 13.11.2025.

VERIFICATION OF THE QUALITY CONTROL

Verification Body of Quality control

Danish Technological Institute DTI, Aarhus, Denmark

Quality control contract

Quality contract number 175 signed on 20.4.2015 or updated afterwards.

REMARKS

Type Approval decision is public. The list is kept on the websites of the Eurofins Expert Services Oy.

Eurofins Expert Services Ltd acts as a type approval body based on the act given about the approval of certain construction products 18§, authorized by the Finnish Ministry of the Environment and as a certification body (S017) accredited by FINAS.

The update concerns extension of the validity time and update to the name of Tigris K1 to K2 and modification of the size range.

Conditions of the validity

If the product enters the CE marking the type approval expires.

The type approval decision is issued for maximum of 5 years at a time.

Eurofins Expert Services requires annual surveillance for the manufacturer's internal quality control in order to verify that the product corresponds to the properties that manufacturer has declared.

The manufacturer is in charge of the product's quality and factory production control. In awarding this certificate, Eurofins Expert Services Oy does not bind itself to indemnification liability concerning

personal injury or other damage that may directly or indirectly result from using the product described in this certificate.

The use of the name of Eurofins Expert Services Oy or the name Eurofins in any other form in advertising or distribution in part of this Type Approval is only permissible with a written authorization from Eurofins Expert Services Oy.

CANCELLATION OF THE TYPE APPROVAL

The type approval decision will be cancelled if:

- The construction product does not fulfil the requirements presented in the land use and building act or the technical requirements based on the act.
- The importer or the manufacturer or its representative does not correct the flaws detected by the quality control.
- The usage of the construction product is prohibited by Finnish Safety and Chemicals Agency (Tukes) or the importer or the manufacturer or its representative is ordered to withdraw the product from the markets by Tukes.

BASIS OF THE APPROVAL

The Decree of the Finnish Ministry of Environment of the Type Approval 1/18 and essential technical requirements 476/2018 of PEX pipes, valid from 1.9.2018

The Decree of the Finnish Ministry of Environment of the type approval 5/19 and essential technical requirements 499/2019 of PEX pipe fittings 499/2019, valid from 1.1.2020

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This document has been signed electronically.

ANNEXES

Type approval logo

FOR INFORMATION

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