



SWEDISH TYPE APPROVAL 0318 WITH DECISION ON PRODUCTION CONTROL

Holder: LK Pex AB

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Pipeline of crosslinked polyethylene (PE-Xa)

Product description

Pipelines of crosslinked polyethylene (PE-X) with external oxygen barrier according to standard DIN 4726. The pipes are available in the following dimensions (outside diameter x thickness in mm): 10x1,8; 12x2,0; 15x2,5; X16 (16x2,0); 16x2,2; 18x2,5; X 20 (20x2,5); 20x2,8; 22x3,0; X25 (25x3,5); 25x3,5; 28x4,0; 32x4,4; 40x5,5; 50x6,9 and 63x8,6

Intended use

PE-X pipes for distribution of hot and cold tap water or heating in the building where highest occurring operating pressure does not exceed 1.0 MPa (10 bar) and where the water momentarily does not exceed 95 ° C or continuously does not exceed 70°C.

Scope

LK Universalrör PE-X

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 with regard to hygiene, health and environment and 4. Safety to use 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
Installations for tap water, 1 st sentence and par. 2	6:62
Design, par. 1 and par.4	6:625

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:	LK
Product name, and relevant article number:	LK Universalrör PE-X
Production site:	Applicable manufacturer or ID code
Traceability to the production:	(e.g. yyyy-mm-dd or batchnumber)
Information about max temperature and operating pressure:	95°C och 1 MPa alt. (10 bar)
The registered trademark of Boverket No 241 217:	☩
Certification Body:	Kiwa Certification AB 
Accreditation number:	1913
Type Approval No:	TG 0318
Inspection Body:	Kiwa Certification AB

CERTIFIKAT

Kiwa Certification AB

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

Production site(s):

Kod 52672987

Control

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

Inspection Body: **Kiwa Certification AB** Inspection agreement: **647/15 rev. 2021-09-17**

Factory production control shall be carried out in accordance with the instructions in Inspection agreement.

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 agreement actual inspection agreement 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 AB at the e-mail address se.annualreporting@kiwa.com about continuing surveillance.

Associated documents

Assembly instruction for LK PE-X, PAL and PE-RT pipe, edition: se.29.c.41.2021-11-22

The assessment basis for the approval

Report from annual inspection by Kiwa - 2021090SAR LK Pex k6261 647/15, dated 2021-09-08

Test report LC 13351-1a and LC 13351-1b from Kiwa NL, dated 2017-08-01

Test report 032100076-0026 from Kiwa GmbH, dated 2022-01-27

Assesmentreport 379/2021 drawn up by Kiwa Certification AB, dated 2022-02-14

Comments

- For joining LK PE-X Universal pipes, there are three different fitting systems; LK PressPex, LK Pushfit and LK Connection Set.
- The approval requires the correct pressing tools are used for press fittings and that they are calibrated and maintained in accordance with manufacturer's instructions.

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 Certification AB.

Date of decision: 2022-02-10

Registration number: 379/2021

Valid until: 2027-02-09

Previous registration number: 735/2017

Deo Yamabo

Magnus Jerlmark