

Poloplast POLO-KAL NG, sewage system with measured sound levels

Holder/Issued to

Poloplast GmbH & Co. KG

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Product description

Poloplast POLO-KAL NG, 3-layer pipes and fittings made of mineral-reinforced polypropylene (PP).

The pipes that belong to pipe series S 14 are available in following dimensions:

D _y	32	40	50
Wall thickness e	1,8	1,8	2,0

The pipes that belong to pipe series S 16 are available in following dimensions:

D _y	75	90	110	125	160	200	250
Wall thickness e	2,6	3,0	3,4	3,9	4,9	6,8	8,6

Joining of pipes and fittings are done with factory installed sealing rings.

Sealing rings fulfil the requirements for type WC according to standard SS-EN 681-1.

Intended use

Pipes and fittings are intended for use in waste water systems in buildings for discharge of normal household waste water and rain water.

Waste water temperature in buildings may momentarily be max. 95° C.

Trade name

POLO-KAL NG.

Approval

The products satisfy the requirements set forth in chapter 8, 4 § 2 and 3 PBL, in respect to and under conditions stated in this certificate, and are therefore approved in accordance with the provisions of the following sections of Boverket Building Regulations (BBR) issued by the National Board of Housing, Building and Planning:

Reaction to fire class

Waste water installations

Surface water installations

Design

5:231, D – s2, d1

6:641, 1st paragraph, last sentence and 2nd paragraph, last sentence

6:642

6:644, 1st sentence and 2nd paragraph, last sentence

Type approval 0704/99 | 2018-11-20

RISE Research Institutes of Sweden AB | Certification

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8P05182

(PX23002)



Associated documents

Technical manual above-ground drainage, edition 04/12.16/2000_SE.

Control

The factory production control (FPC) is monitored by an independent inspection body.

Control agreement: 3427 with RISE appendix. Inspection body: SKZ, Germany.

When the building proprietor performs inspection at the building site, markings shall be checked to ensure that the correct products have been supplied and that they are used in accordance with the conditions in this approval and associated documents. Further the product shall be accompanied by a manufacturer's assurance, certifying that the product has been manufactured in accordance with the documents on which this approval is based.

Manufacturing place

Production control includes the following place:
Poloplast GmbH & Co. KG, Leonding, Austria.

Marking

The products are to be marked at the factory.

The marking consists of a text on every product supplied and includes:

Holder	Poloplast GmbH & Co. KG
Product type designation	POLO-KAL NG
Consecutive date of production	date
Type approval number	0704/99
Dimension	DN XX
Pipe series	S 14 or S 16
Nominal angle of fitting	XX°
Boverket's registered trade mark	
RISE Accreditation number	1002
Certification body	RISE
Inspection body	SKZ

Basis for judgement/approval

Report K 15.300, VA KU 20080 and VA KU 22160 from TGM, Austria.

Report 31.309, 33.302 and 33.044 from Öki, Austria.

Report 061024919AE from IBS, Austria

Report P-BA 165/2006e from Fraunhofer IBP, Germany.

Report 210807-1.1/78136, 210807-1.1-78137, 210807-1.2-78138, 210707/2.1/80170, 210712/1.1/101995, 210812/1.1/101996 and 210812/2.1/103374, 210717/2.1/128112 and 210817/2.1/128113 from SKZ, Germany.

Comments

Products are tested according to relevant parts of standard SS-EN 1451-1.

Sound level of dimension DN 110 where the system is fixed with sound absorbing tube carrier model POLO-CLIP HS, tested according to standard SS-EN 14366:2004.				
Water flow rate	0,5 l/s	1,0 l/s	2,0 l/s	4,0 l/s
Structure-borne sound $L_{SC, A}$	≤ 10 dB(A)	≤ 10 dB(A)	14 dB(A)	17 dB(A)

This approval supersedes the previous approval with the same number dated 2013-11-22.

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Validity

Valid through 2023-11-19.

The validity of this approval expires when the characteristics included in this approval shall be CE-marked according to the Construction Products Regulation (EU) 305/2011.

Ingvar Pettersson

Marcus Tillman

This is a translation from the Swedish original document. In the event of any dispute as to its content, the Swedish text shall take precedence.