

Uponor Decibel, soil & waste pipe system with measured sound values

Holder/Issued to

Uponor Infra Oy
PO Box 21, Nastola, Finland

Product description

Uponor Decibel, multilayer pipes with three layers. The inner and outer layers consist of PP (polypropylene) and intermediate layer of mineral reinforced PP. Fittings are made of mineral reinforced PP. Joining of pipes and fittings are done with factory installed sealing rings.
The approval covers pipes and fittings in dimensions DN 50, DN 75, DN 110 and DN 160.

Intended use

Pipes and fittings intended for sewage systems inside building for normal household wastewater and rainwater.
Application area B refers to internal and external installation, according to standard EN 1451-1.
Waste water temperature may momentarily be max. 95°C.

Trade name

Uponor Decibel, soil & waste pipe system

Approval

The products comply with the requirements of Chapter 8, Section 4, item 2 and 3 of the Planning and Building Act (2010:900), in the respects and under the conditions specified in this type approval. The approval covers the parts of the Swedish National Board of Housing, Building and Planning's (Boverket's) regulations and general recommendations specified below:

Boverket's regulations and general advice on safety in the event of fire in buildings. (BFS 2024:7):
Reaction to fire, class E according to SS-EN 13501-1* BFS 2024:7, Ch. 1 Sec. 6

Boverket's regulations with regard to hygiene, health and the environment, water management and waste management (BFS 2024:8):
Water and sewage installations BFS 2024:8, Ch. 8, Sec. 1, 10, 11 and 12

Boverket's Building Regulations (BBR) (BFS 2011:6 as amended up to and including BFS 2024:5) ¹:
Reaction to fire, class E according to SS-EN 13501-1* BBR 5:231
Waste water installations BBR 6:641
Surface water installations BBR 6:642
Design BBR 6:644

¹ May be applied to the extent stated in the transitional provisions of Boverket's regulations BFS 2024:14.

Type Approval SC0091-16 | 2026-02-24
RISE Research Institutes of Sweden AB | Certification

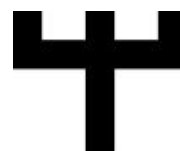
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* Valid for material with thickness according to classification report 9P02670-2rev1.

Associated documents

Installation instruction "Uponor inomhusavloppssystem", 6 pages, dated by RISE Certification 2016-06-03.

Control

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

Control plan: Ref no. 210-13-0175. Inspection body: RISE

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 type 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 type approval is based.

Manufacturing places

Production control includes the following places:

Uponor Infra Oy, Nastola, Finland

Atplast Oy, Kausala, Finland

Marking

The products are to be marked at the factory. The marking consists of a text on every product/packing/documentation supplied and includes:

Products are marked with:

Holder/Distributor

Product type designation

Consecutive date of production

Material

Application area

Dimension (mm)

Wall thickness pipe (mm)

Nominal angle of fitting

Reaction to fire

Uponor

Decibel XX

year/month

PP-MD

B

XX

XX

XX°

E

Packings are marked with

Type approval number

Boverket's registered trade mark

RISE Accreditation number

Inspection body

SC0091-16

†

1002

RISE

Basis for approval

Reports 6F026473, 6F005876 and 6F005876-1 from SP.

Reports 8F001168, 9P02670-2rev1, 20-18818, 20-111956, 21-151065, 22-1170372-rev 1 and 25-1330751 from RISE.

Report P-BA 158/2015e from Fraunhofer IBP, Germany.

Report I-K 25 0895.011 from MPA.

Comments

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

Sound level of dimension DN 110 where the system is fixed with sound absorbing tube carrier model Bismat 1000, 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)	≤ 10 dB(A)	14 dB(A)

Associated documents shall accompany the product or by other means be available to users of the product.

This type approval supersedes the previous type approval with the same number dated 2023-07-04.

Validity

Valid up to and including 2026-10-31.

The validity of this type approval can be verified at RISE homepage.

The validity of this type approval expires when the type approved products with the intended use according to this type approval shall be CE-marked according to the Construction Products Regulation (EU) 305/2011 or 2024/3110.



Stefan Coric

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