

# 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 satisfy the requirements set forth in chapter 8, 4 § 2 and 3 PBL, in respect to and under conditions stated in this type approval, and are therefore approved in accordance with the provisions of the following sections of Boverket Building Regulations (BBR):

Reaction to fire, class E according to SS-EN 13501-1*	5:231
Waste water installations	6:641, 1 <sup>st</sup> paragraph and 2 <sup>nd</sup> paragraph, last sentence
Surface water installations	6:642
Design	6:644, 1 <sup>st</sup> sentence

\* 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.

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(171623)

# Control

The factory production control (FPC) is monitored by an independent inspection body. Control plan: Ref no. 210-13-0175. Inspection body: RISE

Type Approval SC0091-16 | 2023-07-04 RISE Research Institutes of Sweden AB | Certification A C F

Box 857, 501 15 Borås \$+46 10 516 50 00 | certifiering@ri.se | www.ri.se





# Type Approval and decision on production control

# **Control continue**

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:	Uponor
Holder/Distributor	Decibel XX
Product type designation	<i>year/month</i>
Consecutive date of production	PP-MD
Material	B
Application area	XX
Dimension (mm)	XX
Wall thickness pipe (mm)	XX
Nominal angel of fitting	XX
Reaction to fire	E
<u>Packings are marked with</u> Type approval number Boverket´s registered trade mark RISE Accreditation number Certification body and Inspection body	SC0091-16 <b>+</b> 1002 RISE

#### **Basis for approval**

Reports 6F026473, 6F005876 and 6F005876-1 from SP. Reports 8F001168, 9P02670-2rev1, 20-18818, 20-111956, 21-151065 and 22-1170372-rev 1 from RISE. Report P-BA 158/2015e from Fraunhofer IBP, Germany.

# 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 2021-11-01.

Type Approval SC0091-16 | 2023-07-04

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# Type Approval and decision on production control

# Validity

Valid through 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.

Martin Tillander

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.

Type Approval SC0091-16 | 2023-07-04

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