

Uponor Conduits with Uponor Smart Aqua PLUS Wall Bend Fixture and Uponor Smart Aqua PLUS Wall Box

Holder/Issued to

Uponor GmbH

Industristrasse 56, 97437 Hassfurt, Tyskland

Product description

System with Uponor Conduits and Uponor Smart Aqua PLUS wall bend fixture as well as Uponor Smart Aqua PLUS wall box

Uponor corrugated conduits made of HD polyethylene in dimensions Dy / Di: 25/20 and 28/23. The tubes are black or white, white tubes are available with a color line

Dimension	Minimum permissible bending radius
25/20	38 mm or Uponor wall bracket fixture
28/23	42 mm

The Uponor Smart Aqua PLUS wall bending fixture is designed for 25/20 mm protection pipes.

The Uponor Smart Aqua PLUS wall box is available in a version designed for conduits with dimension 25/20. The fitting in the wall box is type-approved according to Type Approval SC 1048-14 and SC 1342-13.

Intended use

The intended use of the products is to create a watertight space when installing drinking water systems and other water so that any leaking water or condensation water is prevented from coming into contact with materials and products that do not tolerate moisture. The products must enable leakage to become visible quickly and condensation water to be dried or led out of the building part to a sewer so that the growth of algae, mould or bacteria cannot occur.

Trade name

Uponor Conduits

Uponor Smart Aqua PLUS wall bending fixture 25/20

Uponor Smart Aqua PLUS wall box

See annex 1

Approval

The products satisfies the requirements set forth in chapter 8, 4 § 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) and Boverket mandatory provisions on application of the European construction standards (Eurocodes), (EKS): both issued by the National Board of Housing, Building and Planning.

Concealed surfaces in rooms or building components	6:5334
Design	6:625, 1st and 2nd paragraph
Concealed surfaces in rooms or construction elements	6:9532

Associated documents

Uponor PE-Xa pipes, ver X2016-06.

Uponor wall bracket fixture WB 25/20, 1084600_11/2015.

Monteringsanvisning Uponor Smart Aqua PLUS termination box M7A 086488_02/2017_INT

Control

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

Control plan: Ref no. plan 400-94-0639 annex 4, dated 2008-12-08

Control plan: Ref no. 1218793 dated: 2024-04-24

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 place:

Uponor AB, Nordanövägen 2, 731 61 Virsbo.

AQ Plast AB, Regattagatan 16, 723 48 Västerås.

Marking

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

Pipes are marked with:

Holder	Uponor AB
Dimension	20/25, 28/23
Consecutive date of production	date
Type approval number	4991/86

Packaging is marked with:

Holder	Uponor AB
Type approval number	4991/86
Boverket's registered trade mark	†
RISE Accreditation number	1002
Inspection body	RISE

Type Approval 4991/86 | 2024-04-30

RISE Research Institutes of Sweden AB | Certification

Basis for approval

Report 5F015693 and 5F013437 from SP.
Report 102004276-1 and 102003704 from Sintef.
Report 1215807 from RISE.

Comments

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

Penetrations through waterproofing layers, protective pipes/wall boxes should connect to a sleeve included in a CE-marked waterproofing system (EAD 030436-00-0503).

This type approval supersedes the previous type approval with the same number dated 2024-04-29.

Validity

Valid through 2026-06-02.

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.

A handwritten signature in blue ink, appearing to read "Martin Tillander".

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.

Annex 1

1001210	Uponor Teck conduit black 25/20 50m, Nordtest
1001211	Uponor Teck conduit black 28/23 50m, Nordtest
1071857	Uponor Teck conduit white/red 28/23 50m, Nordtest
1071858	Uponor Teck conduit white/blue 28/23 50m, Nordtest
1071862	Uponor Teck conduit white/red 28/23 153m, Nordtest
1071863	Uponor Teck conduit white/blue 28/23 153m, Nordtest
1086202	Uponor Smart Aqua PLUS term box double Q&E M7a PPSU 16-Rp1/2"FT
1086203	Uponor Smart Aqua PLUS term box double Q&E M7a DR 16-Rp1/2"FT
1086204	Uponor Smart Aqua PLUS term box double Q&E M7a NKB DR 15-Rp1/2"FT
1086205	Uponor Smart Aqua PLUS term box Q&E M7a DR 12-Rp1/2"FT
1086206	Uponor Smart Aqua PLUS term box Q&E M7a NKB DR 15-Rp1/2"FT
1086208	Uponor Smart Aqua PLUS term box Q&E M7a DR 16-Rp1/2"FT
1086209	Uponor Smart Aqua PLUS term box Q&E M7a NKB DR 18-Rp1/2"FT
1086210	Uponor Smart Aqua PLUS term box Q&E M7a DR 20-Rp1/2"FT
1086211	Uponor Smart Aqua PLUS term box Q&E M7a PPSU 16-Rp1/2"FT
1086212	Uponor Smart Aqua PLUS term box M7a NKB DR PEX 15X2,5-Rp1/2"FT
1086213	Uponor Smart Aqua PLUS term box M7a NKB DR FPL-X G1/2"MT-Rp1/2"FT
1091334	Uponor Smart Aqua PLUS wall bend support WB 25/20