

Uponor

# Build on Uponor Uni Pipe PLUS

Seamless multilayer composite pipe  
built for the future.

Perfectly fits also with  
underfloor heating and  
radiator connection



# Ahead of time: Uni Pipe PLUS for fast installation

When we at Uponor drive forward the technology of our multilayer composite pipes, then with the aim of achieving one main goal: to make work for planners and installers easier. Every step of the way. Because precision and speed are essential. Both when it comes to drinking water installations and to radiator connections.

That's why we have developed Uni Pipe PLUS even further and boosted its bendability – while ensuring higher stability at the same time.

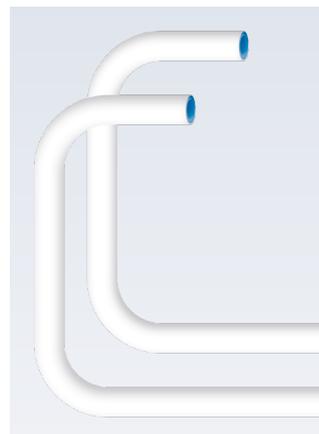
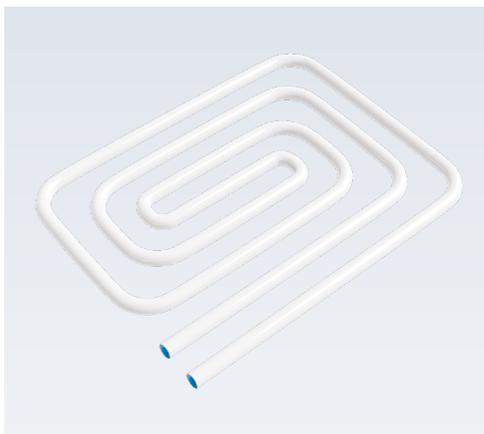
The result: compared to conventional multilayer composite pipes, the bending radius of Uni Pipe PLUS pipes is up to 40% narrower. This means that changes in the pipeline's direction can be performed directly with the bent pipe, instead of with pre-formed components.

**Uni Pipe PLUS is the up-to-date evolution of multilayer composite pipes. And it makes sure you are always one step ahead.**



## Your benefits:

- Up to 40% narrower bending radius, compared to conventional multilayer pipes
- 0% readjustment, pipe stays perfectly in shape after bending
- Up to 15% less fittings, due to the better bendability
- 100% backwards compatibility with Uponor leading multi-layer pipes & press fittings



# Advanced performance, layer for layer

Certified according ISO 21003 in Europe. Uni Pipe PLUS multilayer composite pipes combine the advantages of both a metal and a plastic pipe to create one excellent and trail-blazing solution.

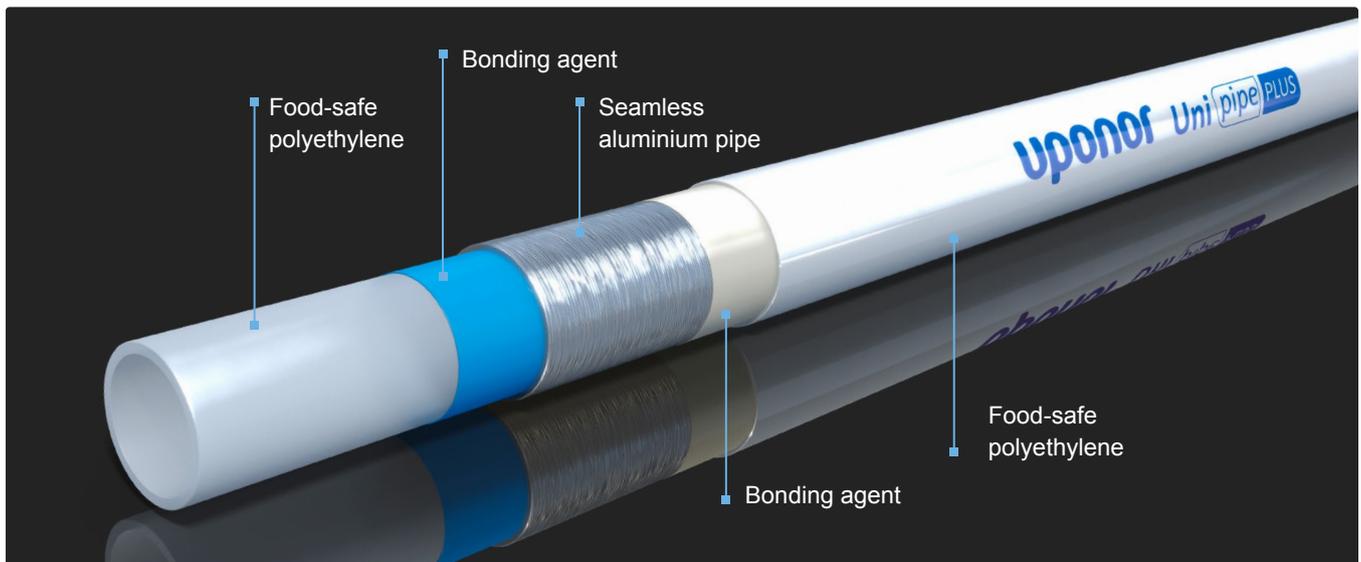
## Ingenious construction

Uni Pipe PLUS consists of a seamless aluminium pipe which not only prevents oxygen from entering, but also compensates for restoring forces and linear expansion caused by changes in temperature. To achieve this, the thickness of the aluminium has been optimally adjusted for the high pressure resistance and bendability needed. Both the inside and the outside of the pipe have been equipped with a layer of polyethylene which is resistant to high temperatures (complying with DIN 16833). All the layers are then permanently joined to one another

thanks to the use of a bonding agent applied between the layers.

## Perfectly pre-insulated

Uni Pipe PLUS for drinking water installations and radiator connections also comes pre-insulated as standard. The insulation meets all requirements of the German Energy Savings Ordinance (EnEV) and the DIN 1988-200 standard. With the optimally pre-insulated pipes (WLS 35), you have a space- and time-saving option without the need for laborious insulation after installation.



### Key product characteristics:

- Complies with guidelines for the drinking water directive
- Provides highest stability and bendability
- Features the best surface finish for preventing the build-up of deposits
- Is absolutely oxygen tight and corrosion resistant
- Ensures low linear expansion
- Delivers outstanding strength against ruptures
- Has been certified according ISO 21003 in Europe and complies with the Guideline for the Hygienic Assessment of Organic Materials in Contact with Drinking Water

# Ahead of the technology: SACP sets new quality standards

With our innovative SACP (seamless aluminium composite pipe) technology, we have created a completely new product category: the world's first multilayer composite pipe with a seamless, extruded aluminium layer. It sets new standards in performance and functionality, and it is clearly a step up from the technology to date.

## Enhanced performance and safety

We offer Uni Pipe PLUS in two variants: as bar and roll goods. Both provide extraordinary advantages. Uni Pipe PLUS roll goods are significantly more flexible and bendable than current multilayer composite pipes. This enables you to not only save time during installation, but also save costs caused by extra installation components, which are now no longer needed. In contrast, Uni Pipe PLUS bar goods feature a special

aluminium layer that is more rigid than conventional multilayer composite pipes. So you can provide a visually attractive, on-wall mounting solution which optimally caters to today's modern installation technology. Whichever variant you need, you are guaranteed the highest safety possible, as the pipe is seamless.

## Easy installation with proven technology

All Uni Pipe PLUS pipes can be installed easily, quickly and safely thanks to the tried-and-tested Uponor press-fitting technology. What's more, they are fully compatible with all the current Uponor systems and solutions.



### Current technology



*Overlap-welded  
aluminium*



*Butt-welded  
aluminium*

### New SACP technology



*Seamless  
aluminium*



*Uni Pipe PLUS*

# Seamlessly developing future

We at Uponor are aware: the current trend towards ever thinner aluminium layers for higher flexibility of multilayer composite pipes cannot continue on end. After all, the thinness is at the cost of pressure resistance and process safety during welding. Additionally, the pipe is more prone to buckling, and the spring-back resilience while bending increases. That's why we have decided to completely re-think the manufacturing technology from the ground up.

## We develop prospects

As one of the few pipe manufacturers to have developed an own technology, we can optimally adjust to market needs with the use of our production facilities and processes – enabling us to realise innovations faster and more efficiently.

To achieve this, we leverage our years-long experience and consistently expand on our know-how within the company.

## The right step into the future

With our innovative SACP technology, we have managed to manufacture a multilayer composite pipe with an optimised aluminium layer which is extremely pressure resistant and yet very flexible. At the same time, it is significantly less prone to buckling and the spring-back resilience is diminished. The critical process of aluminium welding is eliminated. From our point of view, this seamless technology not only offers special benefits for our new Uni Pipe PLUS multilayer composite pipe, it also provides the best prospects for many further innovations. So you can also look forward to the highlights yet to come from Uponor in future.



### Your benefits for your daily work:

- Supplied in the dimensions 16, 20, 25 or 32 mm
- Comprehensive delivery programme and installation-friendly fitting technology
- Fast, easy in-wall mounting thanks to flexible, bendable pipe
- Pleasant appearance for on-wall mounting thanks to extremely rigid bars
- Lightweight through the optimal distribution of material
- Higher profits due to the time and costs saved during installation

# Ahead of the competition: more flexibility for each working step

Uni Pipe PLUS pipes are available to you in the standard dimensions 16, 20, 25 and 32 mm. You can therefore easily profit from the benefits of the world's first seamless, extruded multilayer composite pipe and, at the same time, rest assured that Uni Pipe PLUS is compatible with all current Uponor systems and tools.

You can choose just the right Uni Pipe PLUS composite pipe variant for your precise needs on site – as bar or roll goods. Should you like more information about all your benefits and options, we are happy to provide personal assistance.



Closed circular pipeline (small radii) for kitchen and bath installations

## Uponor Uni Pipe PLUS white – Roll goods

Item. no.	Description	VE	ME
1091638	Uponor Uni Pipe PLUS white, 16 × 2,0	10	m
1091639	Uponor Uni Pipe PLUS white, 16 × 2,0	25	m
1096008	Uponor Uni Pipe PLUS white, 16 × 2,0	50	m
1059576	Uponor Uni Pipe PLUS white, 16 × 2,0	100	m
1092653	Uponor Uni Pipe PLUS white, 16 × 2,0	120	m
1059577	Uponor Uni Pipe PLUS white, 16 × 2,0	200	m
1059578	Uponor Uni Pipe PLUS white, 16 × 2,0	500	m
1092671	Uponor Uni Pipe PLUS white, 20 × 2,25	25	m
1059579	Uponor Uni Pipe PLUS white, 20 × 2,25	100	m
1093124	Uponor Uni Pipe PLUS white, 20 × 2,25	500	m
1059581	Uponor Uni Pipe PLUS white, 25 × 2,5	50	m
1059583	Uponor Uni Pipe PLUS white, 32 × 3,0	50	m

## Uponor Uni Pipe PLUS white S – Bar goods

Item. no.	Description	VE	ME
1060783	Uponor Uni Pipe PLUS white, S 16 × 2,0	3	m
1059572	Uponor Uni Pipe PLUS white, S 16 × 2,0	5	m
1060784	Uponor Uni Pipe PLUS white, S 20 × 2,25	3	m
1059573	Uponor Uni Pipe PLUS white, S 20 × 2,25	5	m
1060785	Uponor Uni Pipe PLUS white, S 25 × 2,25	3	m
1059574	Uponor Uni Pipe PLUS white, S 25 × 2,25	5	m
1060786	Uponor Uni Pipe PLUS white, S 32 × 3,0	3	m
1059575	Uponor Uni Pipe PLUS white, S 32 × 3,0	5	m

# Compatible Uponor jointing technologies



## S-Press PLUS metal press fitting

- Without the need for calibration or flaring
- Joint completion indicator
- Colour codes for different dimensions



16 20 25 32

## S-Press PLUS composite PPSU fitting

- Lead-free
- Lightweight



## Uni-X compression fitting

- No need to calibrate
- Easy assembly
- Connection to other compression components using a simple tool



## RTM tool-free fitting

- Constant 360° pressure on the pipe
- No need for tools, ensuring a quick and easy fitting
- Colour codes for different dimensions



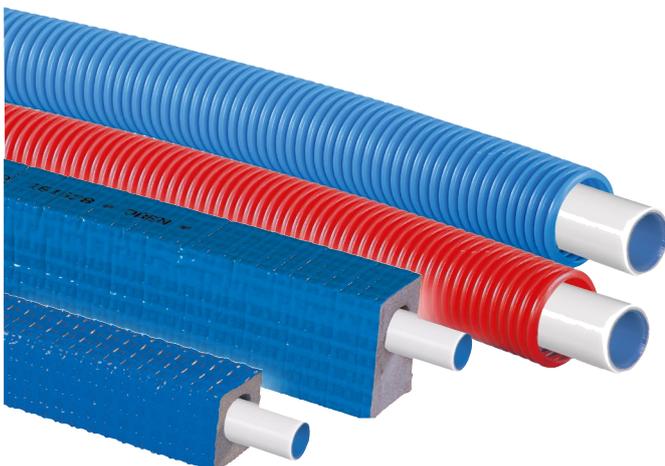
16 20 25



Comparing Uni Pipe PLUS



Maximum bendability



## Uponor Uni Pipe PLUS – Pre-insulated

Uni Pipe PLUS (ow) is also available in a pre-insulated or pipe-in-pipe version. For details, please see the current price list.

# Uponor

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