A DECISION ONCE AND FOREVER!

10 good reasons to use copper
Copper pipework is safe, durable and reliable, giving homeowners peace of mind.

Copper is the only currently used plumbing material which has reliably conveyed water for thousands of years. Its first known use dates back as far as 2750 BC in the Temple at Abusir in Egypt. Evidence of Roman copper plumbing systems can still be seen at Pompeii and Herculaneum, cities destroyed by the eruption of Vesuvius in 79 AD.

In the 20th Century, copper became the first choice for plumbing and heating installations, setting very high standards which competing materials can only try to reach. The reliability of copper has been proven over many decades by the millions of European homes plumbed with copper and copper has rightly earned its reputation as the best pipework material.

Copper has passed the test of time and remains the favoured material for pipework installations in modern homes. This proven performance demonstrates that copper has a pedigree unsurpassed by any other pipework material.
EXCELLENT UNDER EXTREME CONDITIONS

Anyone looking for a high pressure, high temperature, fire resistant material knows - copper won’t let you down!

With excellent mechanical and physical properties, copper is able to withstand very harsh and extreme conditions of temperature, pressure and environment.

From around 200°C in solar thermal systems down to -200°C for liquefied gases, for air conditioning systems with 35-40 bar pressure, copper can handle it all.

When exposed to the environment (UV rays, sunshine, oxygen), copper tube doesn’t age and doesn’t change its properties over time, unlike some plastics.

For a reliable, fire-resistant material that can withstand a temperature of 650°C for a 30 minute period that will make safe gas pipework, or tube for a life safety fire sprinkler system, you need think no further than copper.

Copper is the ideal material for your domestic pipework systems where high temperatures are around 80°C and the maximum pressure is about 10 bar.
Copper satisfies all the pipework needs of modern buildings.

Copper tube and fittings can be used for the many different services in modern buildings:

- Plumbing systems, hot and cold water services
- Heating systems – wet central heating, underfloor heating, wall and radiant
- Gas installations – Natural gas, Propane-Butane, medical and industrial gases
- Solar thermal systems
- Air conditioning
- Oil services
- Fire sprinkler systems
- Rainwater recycling

Copper is strong, it can be easily formed into bends and systems can be assembled both on- and off-site. You can solve just about any problem with copper and rely on the result.

Copper gives you versatility! Can competing materials meet all of the pressure, temperature and safety demands for such a wide range of services?
Copper tube is the only plumbing material that is, by its nature, antibacterial and hygienic, and so is an excellent choice for drinking water installations.

Even before the discovery of micro-organisms such as bacteria, the Egyptians, Greeks, Romans and Aztecs used copper-based preparations to cure sore throats and skin conditions, and for their daily hygiene.

In drinking water systems studies have confirmed that copper tubes reduce biofilm (a layer of micro-organisms that forms on the inside of water pipes), and decrease formation and growth of bacteria such as Legionella.
Copper can be recycled again and again without losing its properties or performance.

The sustainability of construction products is now a key focus for the building industry in Europe. Copper has excellent credentials. Its durability and long lifetime already clearly contribute to the sustainability of buildings, if demolition or renovation is needed copper will not go to waste like many other building materials thanks to its’ recyclability.

Recycled copper remains identical to primary copper, no matter how many times it is recycled. Europe already sources 43% of the copper it needs from recycled materials.

Thanks to the endless recyclability of copper it is possible that a few atoms of each new plumbing system element have their origin in copper jewellery from the middle age’s or in coins from the Roman Empire.
Copper tubes and fittings are made of nothing but copper.

Made of 100% pure natural metal with a well known chemical composition, which has been used for many years and will continue to be used for years to come – that’s copper.

Copper is an element, it has no man-made ingredients. There are no surprises with copper.

Unlike plastics, copper has no additives or complex, volatile organic compounds that may migrate into drinking water.

Copper is a natural material that is essential for good health. Small amounts of copper are required daily and the daily dose can be obtained through milk, nuts, seeds, liver or chocolate.
CHIC, GOOD LOOKING

You will be proud to see and show it and won’t want to hide it.

Copper pipework performs excellently when hidden from view behind walls and under floors, but don’t worry if you are unable to conceal the pipework, simply surface mount the copper and leave it visible - everybody will appreciate it.

Thanks to the small outside diameter, low thermal expansion, great mechanical properties and attractive appearance, copper tubes can easily be surface mounted. Competing materials will not look so appealing.
Copper tubes and fittings are made in accordance with European Standards, resulting in quality products

Wherever you source your copper tubes and fittings you can be sure that the individual components of a copper pipework system will be interchangeable with those of other manufacturers. You can rest assured that the copper components will be universally available throughout Europe now and in the future.

In the case of plastics systems you cannot always mix system components from different manufacturers, you cannot guarantee that pipework system will operate safely. When refurbishing or extending a plastics system, some years after the initial installation, you may have to search for the original system manufacturer to source new components. In addition, not all plastics components are available in all plumbers merchants.
Advantages valued by professionals

Top technical reasons – ask your plumber for more details.

Knowing all of the technical advantages offered by copper systems, professional plumbers like to work with it and install it in their homes. Here are some of the top reasons why:

- Copper pipework systems are easy to install. A wide variety of jointing techniques exists (soldering, brazing, press, push-fit, compression), all are proven to be reliable and quick to install.
- Low pressure loss in pipework: there is no reduction of cross section in joints. Some plastics systems need an insert at joints, which reduces the bore, leading to additional pressure loss and an increase in the energy required for pumping.
- Less space needed for installation. Copper tube can withstand high pressures and maintain high flow rates with a small outside diameter.
- Low coefficient of expansion, high corrosion resistance, hygienic, no ageing or deterioration,...

...with so many positive attributes, copper will play a key role in the development of sustainable buildings and one of its main applications will continue to be in plumbing and heating systems.
Using high quality materials will add value to the property.

Copper pipework systems are the only ones that are fast and easy to install while being lightweight, durable and reliable, with minimal maintenance and good antibacterial properties.

Building interior designers select materials and products that are both beautiful and functional, taps, baths, showers, but don’t forget the technically superior copper pipework systems hidden behind the walls. These copper tubes and fittings will serve you reliably and safely for a lifetime, out-of-sight and out-of-mind, and they will add value to your property!

Considering the lifetime cost of the pipework system, copper clearly offers the best value for money of the available plumbing materials in the market.
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1. Reliable, a time proven material
2. Excellent under extreme conditions
3. Versatile
4. Antibacterial, health-friendly material
5. Recycling champion
6. Natural, healthy, nothing man-made
7. Chic, good looking
8. Uniformity
9. Advantages valued by professionals
10. Added value to the building