



# Cape Town Stadium South Africa


uponor

# Classic stadium tap water system

Uponor helped set the stage for FIFA World Cup 2010 by equipping one of the semifinal stadiums, the Cape Town Stadium, with Uponor tap water system.

When the Cape Town Stadium project for the FIFA World Cup 2010 started in 2007, the circular shape of a football stadium was highly problematic for tap water installation. The flexible Uponor PEXa pipe system was the perfect solution to this problem. Cost control, the perfect performance and the safety of Uponor pipes were the main arguments in favour of Uponor.





Uponor has done every kind of tap water installation all over the world. A total amount of 9,300 metres of Uponor PEXa pipes has been installed, thereby covering a huge range of dimensions from 16 up to 110 mm size pipes. Also the high advanced Uponor PPSU Quick & Easy fittings have been installed. More than 400 spectator toilets, urinals, players' changing rooms, bathrooms for VIPs, and water supply for the kiosks in the stadium are supplied with Uponor pipes.

## PEXA outmatches PPR

Originally, the stadium had been planned with PPR pipes. Those pipes did not only run short due to their only recent introduction to South Africa, but even more problematic, was the danger of leaks due to the critical material properties of PPR in combination with the circular shape of the stadium. The pipe connections were under stress and caused leaks, which lead to damage and was time-consuming to repair due to the high welding-efforts. With Uponor's PEXa pipes, these troubles could be completely avoided.

**9,300** metres of Uponor pipes  
throughout the stadium



A joint venture became an overall  
**success**

The job at the Cape Town Stadium was a cooperation of several partners. WBHO and Murray & Roberts were the main contractors. Uponor's local partner Afripex assisted the Mechanical consultants WSP Cape Town with the tap water supply design and layout, as well as with technical onsite support and training. Thus, the stadium could be finalised in early 2010, all sides being pleased with Uponor's PEXa tap water system.

# PEXa

## pipe system

- 1 Complete solution**  
Pipe size ranges from 16 to 110 mm, PPSU plastic and brass fittings (also in DZR) available allowing to connect to different systems.
- 2 Simple & Fast**  
Uponor PE-Xa is simple and quick to install, saving time and money.
- 3 Clean, healthy and safe**  
No solder, flux, glues or solvents to worry about.
- 4 Peace Of Mind**
  - Visual system eliminates guesswork.
  - Connection is even stronger than the tubing.
  - Millions of fittings in service with virtually no callbacks.
- 5 Outstanding System Performance**
  - Flexible & Lightweight.
  - Quiet: no water hammer worries.
  - Resistant to corrosion, pitting and scaling.
  - High pressure and temperature resistance.
  - Low thermal transfer (no condensation).
  - Thermal memory allowing for easy repairs of kinked tubing.
- 6 Experience**  
With over 40 years of successful service and more than 4 billion meters of pipe installed, Uponor PE-Xa has the longest record of proven performance in the industry.
- 7 Innovation**  
Uponor continually provides innovative new products and applications.
- 8 Quality**
  - Quality made in Europe.
  - Industry's most extensive testing (internal and external).
  - Over 80 approvals and certificates worldwide.
- 9 Service & Support**  
With its technical & professional design service including the HSE software, in-house and field training, as well as sales & marketing support, Uponor offers its clients the industry's leading service & support package.
- 10 Extended Warranty**  
Uponor offers a 10 year system warranty, if Uponor pipes, fittings and accessories are used as a system.





# Uponor

## Uponor Radiant Cooling / Heating Solutions

Comfort – Enjoy a better indoor environment

Uponor radiant cooling / heating systems are silent and create optimal thermal environment

Reliability – Trust a proven system

More than 4 billion meters of piping in Uponor plumbing, cooling / heating systems have been installed over 35 years in different climatic regions

Low energy – Save energy and money during operation

Uponor radiant cooling / heating systems optimize energy efficiency and are ideal for the use of renewable energy sources

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