



Material Specification and Data Sheet

General

Pipes are manufactured to the appropriate sections of EN 13476 in accordance with AquaSpira WRc Certification PT/317/0211. Pipe joints are Spigot & Socket with captive ring seals and comply with BS EN 1277.

Materials

Pipes: manufactured from a Composite Steel Reinforced (CSR) material. The polyethylene grade is PE63 HDPE and the steel grade is DC01, all manufactured to comply with appropriate standards.

Seals: EPDM 40+/-5 SHORE – Double Fin Sliding Seal 30mm Wide x 12mm High permanently fitted during production into a recess on the pipe spigot. Manufactured to BS EN681-1

Creep Bands:

- **Steel Band:** 304 stainless steel. Dims: 50mm Wide x 0.5mm Thick
- **Bolt:** A2 stainless steel, M10x1.5, 90mm long with 8mm Allan Key.
- **Cylindrical Trunnion:** 303 stainless steel.

Recycled Content

The steel contains an average of 50% recycled material. Based upon this figure, the average large diameter pipe or tank contains 25% recycled material, making them uniquely suitable for projects where BREEAM ratings are applicable, or where environmental considerations are important.

The composite pipe material is 100% recyclable.

Chemical Resistance

The steel is fully encapsulated within the HDPE pipe profile. HDPE has excellent resistance to most chemicals and contaminants and does not suffer from corrosion. A detailed chemical resistance data sheet is available on our website.

Product Accreditation

AquaSpira Pipes are WRc Approved, which is the most appropriate independent third party accreditation for pipes of this type. A copy of the approval is available on our website.



Design Life

When installed in accordance with company standard construction details, AquaSpira pipes should achieve a minimum design life of 120 years. For further details contact tech@aquaspira.com

