



*Ridgistorm-XL is an innovative large diameter piping system.*

*Available in sizes 750-3000mm and can be used for a wide range of applications including surface water drainage, foul and combined sewer and large scale flood alleviation schemes.*

*Robust, reliable and long lasting, Ridgistorm-XL is one of the most adaptable large diameter piping solutions in the UK.*

# Ridgistorm-XL Large Diameter Piping System

## PRODUCT INFORMATION

Ridgistorm-XL is an innovative large diameter plastic piping system. It comes in sizes from 750 - 3000mm and can be used for a wide range of applications. It is one of the most adoptable large diameter piping solutions in the UK and can be used in all places where concrete and traditional products could otherwise be specified. It is extremely durable with a design life in

### Key Features and Benefits:

- Available in diameters 750mm - 3000mm
- Pipe lengths available from 1.25 - 12m
- Integrally socketed system to aid pipe alignment
- Pre-fabricated modularised system
- Light weight for reduced plant requirements
- Multiple jointing options including electro-fusion welding, seal jointing and extrusion welding
- Service lifetime expectancy of at least 100 years
- Designed to optimum stiffness classification
- Excellent load bearing capabilities
- Superior performance in areas of differential settlement
- Excellent resistance to sulphate and chemical attack
- Superior hydraulic performance achieved through smooth bore
- Saddles available for 150mm lateral pipe connections
- Pre-fabricated dry weather flow channels available



### Standards and Approvals:

- Water Company Approval for Capital Works projects and installation under Section 104 and Section 106 agreements\*
- Compliant with MCHW, Volume 1, Series 500 (Specification for Highway Works)\*\*
- AIP acceptance to Specification for Highway Works, Series 2500 through BD2/05 Standard for highway schemes
- Structural calculations in accordance with BS EN 1296-1, the Structural Design Standard for Buried Pipelines
- WRC approved
- Manufactured to meet the material requirements of BS EN 13476:2007 (Part 1-3) Plastic Piping Systems for Non-Pressure Underground Drainage Systems
- Compliant with the requirements of the Civil Engineering Specification for the Water Industry 7th Edition (CESWI)
- Compliant with the requirements of Sewers for Adoption 7th Edition (SfA)
- Compliant with the requirements of Sewers for Scotland 3rd Edition (SfS)
- Certified to BSI ISO9001 and BSI ISO14001





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## PRODUCT INFORMATION

### Applications



#### • Waste water and sewer

- Sewer pipework
- Low flow systems
- Pumping stations
- Valve chambers
- Flow meter chambers
- Inter process pipework
- CSO storage

#### • Flood alleviation

- On-line attenuation
- Off-line attenuation
- Infiltration tanks
- Multi-leg storage
- Low flow systems
- Stormwater run-off
- Culverts

#### • Infrastructure - Highways & Rail

- Surface water pipelines
- Manholes
- Component chambers
- UTX Chambers
- Low flow systems
- Culverts



#### • Renewable energy

- Rainwater harvesting
  - Domestic
  - Commercial
- Water to air cooling storage
- Anerobic digestion vessels
- Biomass plants

#### • Ventilation

- Earth tubes
- Ventilation ducts
- Inter process pipework
- Valve chambers
- Baffle housings
- Service access chambers
- Flange connectors
- Landfill ventilation plenums
- Condensate chambers

#### • Component chambers & manholes

- Inlet chambers
- Manholes
- Pumping stations
- Overflow storage tanks
- Weir walls
- Catchpits
- Control chambers
  - Flow controllers
  - Penstocks
  - Flap valves
  - Gate valves