SPECIFICATIONS

WATERTIGHT SOLFLO MAX

SCOPE
These specifications apply to all 100 mm (4 in) to 1500 mm (60 in) diameter Solflo Max pipes used for drainage, water course piping and gravity flow storm water sewers.

PIPE REQUIREMENTS
Pipes shall be Solflo Max, manufactured with smooth interior and corrugated exterior walls.

- 100 mm (4 in) to 900 mm (36 in) diameter pipes shall be certified as per standards BNQ 3624-120 (Class A), CSA B182.8-R and CSA B182.8. They shall have minimum stiffness of 320 kPa and be 4 m (13.1 ft) long minimum.
- 1050 mm (42 in) diameter pipes shall be certified as per standards BNQ 3624-120 (Class A), CSA B182.8-R and CSA B182.8. They shall have minimum stiffness of 140 kPa and be 3.3 m (10.8 ft) long minimum.
- 1200 mm (48 in) diameter pipes shall be certified as per standards BNQ 3624-120 (Class A), CSA B182.8-R and CSA B182.8. They shall have minimum stiffness of 125 kPa and be 4 m (13.1 ft) long minimum.
- 1500 mm (60 in) diameter pipes will be certified to BNQ 3624-120 (Class A) (minimum stiffness of 95kPa) and/or will comply with ASTM F894 standards. In all cases, they will be 6,1 m (20 ft) long.

RAW MATERIALS
The pipe will be made of a polyethylene resin that complies with property classification PE435400, as defined in the ASTM D3350 standard.

JOINT PERFORMANCE

- 100 mm (4 in) to 250 mm (10 in): double bell with integrated gasket (DBIG). The DBIG and Solflo Max assembly is certified as per standard CSA B182.8, Type 1 as tested in accordance to ASTM D3212. The gasket shall be co-injected into the bell and shall overlap two corrugations.
- 300 mm (12 in) to 900 mm (36 in): bell with integrated gasket with clips (BIGC). The BIGC and Solflo Max assembly is certified as per standard CSA B182.8, Type 1 as tested in accordance to ASTM D3212. The gasket shall be co-injected into the bell and shall overlap two corrugations.
- 1050 mm (42 in): bell with gasket (BG) installed by the manufacturer onto the male end, covered by a protective film for shipping. The assembly is certified as per standard CSA B182.8, type 3.
- 1200 mm (48 in): bell with integrated gasket with clips (BIGC). The BIGC and Solflo Max assembly shall comply with standard CSA B182.8.
- 1500 mm (60 in): bell with gasket (BG) to be installed onto the male end.
- Gaskets shall comply with table 3 from standard BNQ 3624-120 and table 6 from standard CSA B181.0.

ACCESSORIES

- 100 mm (4 in) to 1500 mm (60 in): accessories will be manufactured according to specified requirements in the standards BNQ 3624-120 and CSA B182.8.
- **Service connections for PVC pipes:**
  Service connections for 100 mm (4 in) to 200 mm (8 in) diameter PVC pipes shall be monolithic (factory welded), as required by standard BNQ 1809-300, and equipped with an integrated gasket.
- **Solflo Max connections to a concrete structure:**
  Every connection to a concrete structure shall be made with a monolithic HDPE adapter whose end to be connected to the structure will be provided with a smooth exterior wall and at the other end with an o-ring bell gasket (BG) for 100 mm (4 in) to 250 mm (10 in) connections, a bell with integrated gasket (BIGC) for 300 mm (12 in) to 900 mm (36 in) and 1200 mm (48 in) connections or with an o-ring bell gasket (BG) for 1050 mm (42 in) and 1500 mm (60 in) connections, as required by standard BNQ 1809-300. PVC and urethane adapters will not be permitted.
- Accessories shall be factory welded, both outside and inside, when this side is accessible.

DIMENSIONS AND QUANTITIES
Dimensions and quantities shall comply with tender documents and drawings.

INSTALLATION
Installation shall be carried out in compliance with standard BNQ 1809-300, and following Soleno's recommendations. Contact the Soleno representative in your region or visit our website at soleno.com for installation recommendations.