



SPECIFICATIONS

PIPE WITH SMOOTH EXTERIOR WALL

SCOPE

These specifications apply to all 450 mm (18 in) to 1500 mm (60 in) diameter Solflo Max pipes with smooth exterior walls used to rehabilitate pipes by insertion.

PIPE REQUIREMENTS

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

- 450 mm (18 in) to 900 mm (36 in) diameter pipes shall be certified as per standards BNQ 3624-120 (Class A), and by adding a smooth exterior wall. They shall have minimum stiffness of 320 kPa and be 3 m (9.8 ft) long.
- 1050 mm (42 in) diameter pipes shall be certified as per standards BNQ 3624-120 (Class A), and by adding a smooth exterior wall. They shall have minimum stiffness of 140 kPa and be 3.3 m (10.8 ft) long.
- 1200 mm (48 in) diameter pipes shall be certified as per standards BNQ 3624-120 (Class A), and by adding a smooth exterior wall. They shall have minimum stiffness of 125 kPa and be 3 m (9.8 ft) long minimum.
- 1500 mm (60 in) diameter pipes will be certified to BNQ 3624-120 (Class A) and/or will comply with AASHTO M294 standards (minimum stiffness of 105kPa). A smooth exterior wall is added. In any case, they will be 6 m (19.7 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

- 450 mm (18 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. 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) 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 1.
- Gaskets shall comply with table 3 from standard BNQ 3624-120 and table 6 from standard CSA B181.0.

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 solenio.com for installation recommendations.