

SPECIFICATIONS

PERFORATED AND FILTERED SOLIFLEX

SCOPE

These specifications apply to all 100 mm (4 in) diameter Type 3 perforated flexible dual wall pipes covered with a geotextile, used to collect surface runoff and control the ground water level.

PIPE REQUIREMENTS

Pipes shall be manufactured with a smooth interior wall and a corrugated exterior wall.

- Pipes shall be certified as per standard BNQ 3624-115* and have a minimum stiffness of 210 kPa.

RAW MATERIALS

Pipes shall be made from a polyethylene resin that complies with properties classification PE 324420C, as defined in standard ASTM D3350.

PERFORATIONS**

- Perforations shall be Type 3, in compliance with standard BNQ 3624-115. Total perforation area shall be at least 130 cm² per meter (20.1 in² per foot) of length.

FILTERS

- The filter shall be made from a TXC-250, FOS 250µm geotextile with UV protection from Soleno Textile.

JOINT PERFORMANCE

- Double bell snap (safety catch) to ensure proper positioning on pipes.
- The same geotextile shall cover both the assemblies and the pipe.

ACCESSORIES

- Accessories will be manufactured according to specified requirements in the standard BNQ 3624-115.
- Every connection to a concrete structure shall be made with a monolithic HDPE adapter with smooth interior wall and an end bell, as required by standard BNQ 1809-300. PVC and urethane adapters will not be permitted.
- Accessories shall be factory welded.

DIMENSIONS AND QUANTITIES

Dimensions and quantities shall comply with tender documents and drawings.

INSTALLATION

Installation shall be carried out in compliance with manufacturer recommendations. Contact the Soleno representative in your region or visit our website at www.soleno.com for installation recommendations.

* The Canadian General Standards Board has adopted in 1992 the BNQ Standard 3624-115 for implementation across the country (replacing the CGSB-41-GP-29-M76 standard).

** Several factors enter into the selection of the product to be used. Therefore Soleno recommends a granulometric analysis before undertaking a drainage project in order to choose the right pipe according to the type of soil.