

SOLDRAIN

PRODUCT CUT SHEET

A SIMPLE AND EFFICIENT DRAINAGE SOLUTION



BEFORE

AFTER



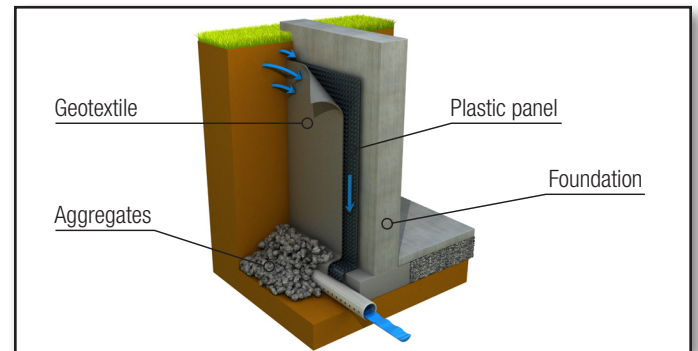
ADVANTAGES

Excellent **drainage capacity**, even under high compression

Easy to install. It is an ideal alternative to natural materials and conventional drains

Multiple applications: buildings, road construction, landscape architecture and sports fields

The Soldrain pre-assembled drainage system is a geocomposite composed of a polymer core layer encased in a geotextile. The geotextile allows water and other liquids to infiltrate down to the core, while preventing clogging of the drain by solid particles. The core offers excellent longitudinal flow capacity toward the interception well. The basic grades are generally used in vertical drainage for foundation walls and bridge abutments. Some product grades offer increased resistance to compression and can be used for horizontal drainage.



SOLDRAIN OFFERS OPTIMAL PERFORMANCE:

The Soldrain series is a line of geocomposite drainage products that combine a drainage core with geotextile filtration in order to offer optimal performance:

- Excellent drainage capacity;
- Protects impermeability while reducing hydrostatic pressure;
- Load reduction, thanks to its light weight;
- Soil filtration that prevents clogging;
- Easy installation without specialized tools;
- Efficient drainage for vertical and horizontal surfaces;
- Reduced costs when compared with conventional drains.

FUNCTIONS



SECTORS

- Municipal and Landscape Architecture
- Roads and Transportation
- Natural Resources and Energy
- Industrial and Waste Management

**NAME IT.
WE'LL DO IT.**



SOLDRAIN INSTALLATION:

- Ensure that the foundation wall is clean;
- Place the rigid plastic side directly against the wall and the geotextile toward the soil;
- Fix the Soldrain to the wall using a nail gun, at 90 cm intervals, being careful not to tear or crush the product;
- Allow the Soldrain to extend beyond the base of the wall and wrap the collector tube;
- Overlap by fitting the cones together when covering the geotextile;
- Backfill the same day using fill in which the largest stones measure less than 100 mm.

SOLDRAIN, THE OPTIMAL SOLUTION

Soldrain 200: Designed specifically for vertical drainage applications, allows high drainage capacity in order to evacuate water to the interception well:

- Unilateral underground drainage;
- Foundation and support walls;
- Bridge abutments and other similar structures.

Soldrain 500: Designed for vertical and horizontal drainage. This product offers high compression resistance and evacuation capacity. It improves and protects separation while allowing reduced hydrostatic pressure:

- Bridge abutments and other similar structures;
- Leachate detection systems;
- Green roofs and terrace gardens.

Soldrain 650: Designed specifically for horizontal drainage applications. The core of this product offers extremely high resistance to compression in order to withstand the demands of heavy loads:

- Under the panels of green roofs and terrace roofs;
- Under parking lots;
- Under access roads subject to heavy loads.

Soldrain 4000: Designed for applications requiring high-volume collection and rapid evacuation capacity. It is an ideal alternative to conventional drains:

- Road construction: edges of roads and highways;
- Landscaping: golf courses, sports fields, and residential and commercial landscaping.



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Call our representatives to discover the advantages of the **SOLDRAIN** for your projects!

1-800-463-8929

SPEC SHEET



www.texel.ca

SPECIFICATIONS

Description	SOLDRAIN
Product type	Polypropylene geocomposite
Format	Roll

SOLDRAIN, properties which make a difference

Properties measured		Test method	Unit	Interpretation
Hydraulic	Water flow in the core	ASTM D4716	l/min/m	Quantifies the amount of water that can be discharged by the geocomposite core in the plane of the geocomposite.
	Apparent opening size (AOS)	ASTM D4751	µm	Indicates the maximum size of soil particles that can pass through the geotextile.
Mechanical	Tensile strength	ASTM D4632	N	Indicates the capacity of the geotextile to absorb tensile forces before reaching its breaking point.
	Compressive strength of the core	ASTM D1621	kPa	Quantifies the compressive strength of the geocomposite core before deforming.

This table presents a summary of specifications. We invite you to consult updated data sheets and detailed technical specifications on our website at www.texel.ca.

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