

MIRADRAIN®

When it rains, it drains

Prefabricated Drainage Composites...

Proven High-Strength, High-Flow Solutions for Your Toughest Drainage Problems.

For more than a decade, architects, contractors and engineers have relied on one product line for the protection they need against tough drainage problems. They specify Miradrain prefabricated drainage composites from Mirafi.

Mirafi revolutionized the drainage industry with the introduction of high-flow, lightweight, easy-to-use Miradrain drainage composites. Now a dramatic evolution has taken place with the introduction of the *Miradrain Site-Specific Geotextile Selection System*. Backed by extensive soil filtration studies, Miradrain is now available with a wide array of monofilament woven and needlepunched nonwoven fabrics suited for every imaginable soil condition.

All it takes is matching the soil type to the *Site-Specific Geotextile Selection Guide* and you can be assured of long-term, no-clogging drainage system performance. As the world's market leader in geotextile fabrics, Mirafi continues to stay on the cutting edge of soils engineering technology.

PRODUCT DESCRIPTION

The Miradrain system consists of a Mirafi filter fabric glued to a three-dimensional, high-impact polystyrene core. Miradrain assures long-term performance, as the Mirafi filter fabrics are designed to prevent soil particles from clogging the drainage channel. Bonding of the fabric to the core dimples prevents backfill from pushing the fabric into the flow channels. Water passes freely into the drain core, where it is gravity fed into a discharge system.

Miradrain is available with two groups of fabrics: standard geotextiles and site-specific geotextiles. Miradrain standard fabrics include 140NC nonwoven and 700XG woven geotextiles for vertical and horizontal applications, respectively. For a listing of site-specific fabrics, see the table in this screen.

FEATURES AND BENEFITS

Compared to conventional drainage, Miradrain's patented design offers many advantages...

- **Consistent and proven long-term performance** due to a multi-directional core configuration providing a uniform flow path for water to escape.
- **High-flow drainage capacity** up to three times the flow capacity of aggregate or sand.
- **No-clogging** drainage.
- **High-compressive strength** of core withstanding installation and in-situ earth stresses.
- **Enhancement of waterproofing system** by channeling water away from a waterproofing system and providing a secondary water retention layer sealing out moisture. Miradrain also protects the waterproofing system.
- **Relief of hydrostatic pressure buildup** against subterranean surfaces.
- **Cost savings** thanks to the lightweight, easy-to-install 4-by-50-foot panels. Miradrain allows backfilling with the excavated soil.

Proven track record

More than 100 million square feet of Miradrain composites are at work today.

APPLICATIONS

Miradrain offers the widest product range in the industry providing tailor-made solutions for any drainage challenge. Miradrain can be used in the following applications:

- **Under floor slabs**
- **Foundation walls** in combination with Miradri
- **Tunnels and box culverts**
- **Bridge abutments**
- **Lagging or property line** projects most commonly used with Miraclay sodium-bentonite waterproofing panels
- **Planter boxes and green roofs**
- **Plaza and roof deck** applications, applied over either Miradri or Miraseal 9100 waterproofing membranes

PRODUCT GUIDE

MIRADRAIN 2000

For less critical systems requiring intermediate flow capability

MIRADRAIN 5000

Cost-effective system for two-sided drainage designs

MIRADRAIN 6000

High-strength, high-capacity panel for single-sided subsurface drainage

MIRADRAIN 6200

High-performance panel with polymeric film for use with Miradri waterproofing systems

MIRADRAIN 9000

High-performance panel with woven monofilament fabric, for horizontal applications

MIRADRAIN 8000

High-performance, hydrocarbon resistant PVC core with woven monofilament fabric