

ABT, Inc.

P.O. Box 837
259 Murdock Road
Troutman, NC 28166
Phone: (800) 438-6057 or (704) 528-9806
Fax: (704) 528-5478

ABT, Inc., The Company.

ABT, Inc., is an American company incorporated under the laws of the State of North Carolina. Founded in 1982, ABT, Inc. quickly established itself as the market leader in providing advanced composite material surface drainage products to the building industry. The words “ABT”, “PolyDrain” and “Trench Former” have become synonymous with technology, quality, and service.

Manufacturer Support.

A reputation for providing professional, technical sales support is what clearly differentiates ABT from the competition. The efficient and technically proficient Customer Support Team, located at ABT Corporate Headquarters, is committed to providing the best possible customer service. A state-of-the-art computer system ensures prompt and accurate information access and order processing.

Qualified Sales Engineers are located strategically throughout the United States to provide technical assistance at any stage of a project. Whether it be feasibility through design, construction or maintenance, reliable ABT application oriented assistance is readily available.

ABT, Inc. products are sold through a nationwide network of over 200 distributors, dealers and manufacturer’s representatives servicing the construction industry.

PolyDrain

PolyDrain trench drain systems are designed for exterior and interior use in the collection and removal of surface fluid run-off from paved areas. Numerous grating options accommodate varying traffic, chemical, and flow conditions.

PolyDyn products are designed for drainage involving exposure to salt, gasoline, fuel oil, and many dilute acids and alkalies.

PolyChampion products are designed for resistance to heavily concentrated and corrosive chemicals and, generally, provide a higher resistance to solvents, acids, and alkalies at varying concentrations and temperatures.

The PolyDrain system is composed of 30 meter length polymer concrete channels each engineered to include 0.6% slope. The radiused interior provides a smooth, mirror-like finish for improved flow, chemical resistance and ease of maintenance. The exterior of the unit provides full-length anchoring ribs to bond the unit into the surrounding concrete.

The PolyLock system allows gratings and solid covers to be securely fastened through the use of lock blocks integrally molded into the channel sidewalls. A full range of gratings and covers is available to satisfy load bearing and corrosion resistance requirements.

TF-14

TF-14 is a complete system for the forming of cast-in-place concrete trenches and basins used for surface drainage. The system is designed to replace labor intensive hand-forming methods and provide structures which are accurate to within 1.5 mm (0.06 in). The product is suitable for exterior use in the collection of rainwater from parking lots, curblines, and roadways, or interior use in the collection of washdown, process fluids, or spills.

The TF-14 system is composed of 21 EPS (Expanded Polystyrene) form segments, each 2.4 m (8 ft) long, which can be used together to create a continuously sloped trench drain of 51.2 m (168 ft) in length. Each segment is engineered to a 10.4 mm per meter (0.125 in per foot) slope (1.04%). Forms create a trench which is 305 mm (12 in) wide with a 165 mm (6 in) radiused bottom and a grate seat area which is 356 mm (14 in) wide. Six non-sloping forms, each 1.2 m (4 ft) long, are available throughout the system to create longer continuous trench runs. All EPS forms have integral deforming grooves for easy removal and full length longitudinal grooves which retain the grate rails in order to maintain coplanar spacing.

Steel components are composed of 45 x 45 x 4.5 mm (1.75 x 1.75 x 0.188 in) angle rail which are 2.4, 1.8, 1.2, 0.9, and 0.6 m (8, 6, 4, 3, and 2 ft) long and have 75 mm (3 in) anchoring studs welded on 280 mm (11 in) centers to the outside corners. Three horizontal tabs on each rail are provided to attach the 12 mm (0.5 in) threaded U-shaped no-float legs. Both ends of each rail are punched to receive a clip which properly aligns and retains adjacent rail segments.

A selection of gratings and solid covers is available for various loadings. All are provided with a center bolt hole to accommodate a locking bolt and toggle which secure the grate to the underside of the rail. Standard grate materials are cast grey iron and galvanized steel welded bar. End frame members attach to rails at trench termination points to support concrete encasement.