



DuroMaxx™
A REINFORCED STORM DRAIN PIPE

the next generation of drainage pipe

Key Advantages

Strength & Durability

The strength of steel with the durability of plastic

It's the ideal combination of materials that makes DuroMaxx exceptional! Steel reinforcing ribs provide the strength. High-Density Polyethylene Resin HDPE provides the durability. The combination of materials results in an extraordinarily strong and durable pipe. CONTECH design engineers also provided DuroMaxx with a smooth inner wall for outstanding hydraulics. DuroMaxx provides the properties you can count on for long term service and performance in the most demanding of environments. Finally a drainage product that is engineered for service and long life!

Long-Term Security

High Strength Steel for Lifelong Performance

Conventional corrugated polyethylene pipe will creep and may buckle if not given special care at time of installation. Each of these limiting design constraints must be considered by the engineer and the contractor to achieve long-term performance. With DuroMaxx, the steel will not creep or buckle. The built-in capacity of the high strength steel eliminates concerns that have long plagued the corrugated polyethylene pipe industry. Today it's possible to design with confidence to meet the structural demands of the most difficult storm drain projects for the life you specify in your plans.

High Performance Pressure Rated Resins for Lifelong Performance

Competing alternative corrugated polyethylene pipes have not yet addressed the engineer's need for a set of design properties that are predictable and created for engineering applications. One of the results experienced by the industry includes evidence of slow crack growth – that is, pipe cracking and delamination. DuroMaxx eliminates those concerns. CONTECH manufactures DuroMaxx with a pressure rated resin with predictable performance properties the engineer can depend on for the most demanding drainage solution. Should you demand similar Hydro Design Basis (HDB) rated materials from your supplier?

Savings

Higher Flow Rates

Higher flow rates are achieved with a smooth polyethylene water way wall thereby providing the engineer the design option to reduce the pipeline diameter: saving you money.

Longer Lengths: Fewer Joints

DuroMaxx pipe is manufactured in standard lengths of 20 feet with bell and spigot joints. It may also be provided on a special needs basis in varying lengths in plain end or with bell and spigot joints. Fewer joints to assemble on site means faster installation rates for the contractor.

Lighter Weight

The two main cost drivers to install storm drains and culverts are man power and machinery. So the faster pipes are installed and the less costly the machinery required, the less you spend. DuroMaxx pipe is light weight which means it can be easily handled and installed, often eliminating the need to use heavy construction equipment. When you consider the longer lengths and easy joint assembly, you will realize the DuroMaxx installation advantages. Simply follow the nationally accepted installation standard, ASTM D2321 or contact CONTECH for our easy to read installation guide.



DuroMaxx is an engineered polyethylene steel composite pipe with a rib profile outer wall and a smooth internal surface. Suitable for drainage and detention applications, DuroMaxx is extruded using virgin high-density polyethylene, which is embedded with ribs of high yield steel. This composite structure creates a pipe with exceptional strength and a relatively low material mass.

Applications and Options

Drainage Pipe

DuroMaxx drainage pipe is ideally suited for the collection and removal of gravity flow storm water from residential developments, industrial sites and other urban projects. Anywhere the need to move water exists, DuroMaxx meets that need.

Joints

The joining system is an integrated bell and spigot designed for high performance and ease of installation. DuroMaxx offers the superior solution for any drainage application. The DuroMaxx joint is designed to meet the highest standards of performance for storm drains, exceeding conventional needs for the added assurance often required by the engineer. DuroMaxx bell and spigots are rigorously designed to achieve 15 psi when tested in the laboratory in accordance with ASTM D3212, the industry standard for joint performance testing.

Subsoil Drainage Pipes

DuroMaxx can also be produced as perforated pipe for subsoil drainage applications. Used to collect and transfer subsurface water through ground seepage into the pipeline, DuroMaxx perforated pipes eliminate the need for open drainage channels.

DuroMaxx is manufactured in accordance with and meets ASTM F2562 for steel reinforced thermoplastic ribbed pipe and fittings and may be used in those non-pressured drainage and sewerage applications.

Stormwater Detention Systems

Detention systems are used to regulate stormwater flow through main pipelines by acting as a buffer during peak loads. DuroMaxx systems are designed to contain the water and slowly release it into the main system over a period of time. These systems are often custom made to water tight specifications to suit the project requirements. DuroMaxx systems can incorporate a wide range of fittings such as bends, risers, bulk headed ends and inlet/outlet pipes. The systems can be custom manufactured to individual lengths in sizes and configurations that can be economically transported and then assembled on site. The light weight and ease of handling of the sections, even large diameters, allows easy placement and installation of pipe and other structures on site.

Fittings

DuroMaxx pipe is compatible with a full range of fabricated fittings such as, elbows, tees, wyes, slope junctions and reducers. Both standard and custom fittings can be readily fabricated from sections of the pipe.

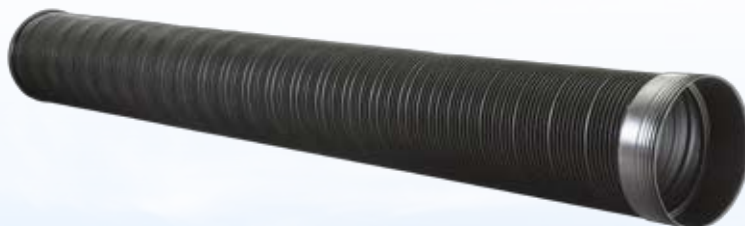


Water Tight - 15 p.s.i. when tested
in the laboratory in accordance with ASTM D3212



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The CONTECH Environmental Commitment

CONTECH is an environmentally conscious company committed to shaping the future of green building and design. DuroMaxx is CONTECH's newest contribution to our eco-friendly portfolio of civil engineering solutions. Starting with the manufacturing process, DuroMaxx consumes less than 35% of natural resources to produce AASHTO M294 pipe. Not to mention, its strength giving profile ribs made of recycled steel in content levels ranging from 10-80%. Plus, when utilized appropriately, it can contribute to a variety of the U.S. Green Building Council's LEED credits in the categories for sustainable sites, water efficiency and landscaping, and materials and resources.

CONTECH Construction Products Inc. provides site solutions for the civil engineering industry. CONTECH's portfolio includes bridges, drainage, sanitary sewer, stormwater and earth stabilization products.

For more information, call one of CONTECH's Regional Offices located in the following cities:

Ohio (Corporate Office)	513-645-7000
California (San Bernardino)	909-885-8800
Colorado (Denver)	303-431-8999
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Georgia (Atlanta)	770-409-0814
Indiana (Indianapolis)	317-842-7766
Kansas (Kansas City)	913-906-9200
Maryland (Baltimore)	410-740-8490
Oregon (Portland)	503-258-3180
Texas (Dallas)	972-590-2000

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DuroMaxx is supported by Plastream technology.

