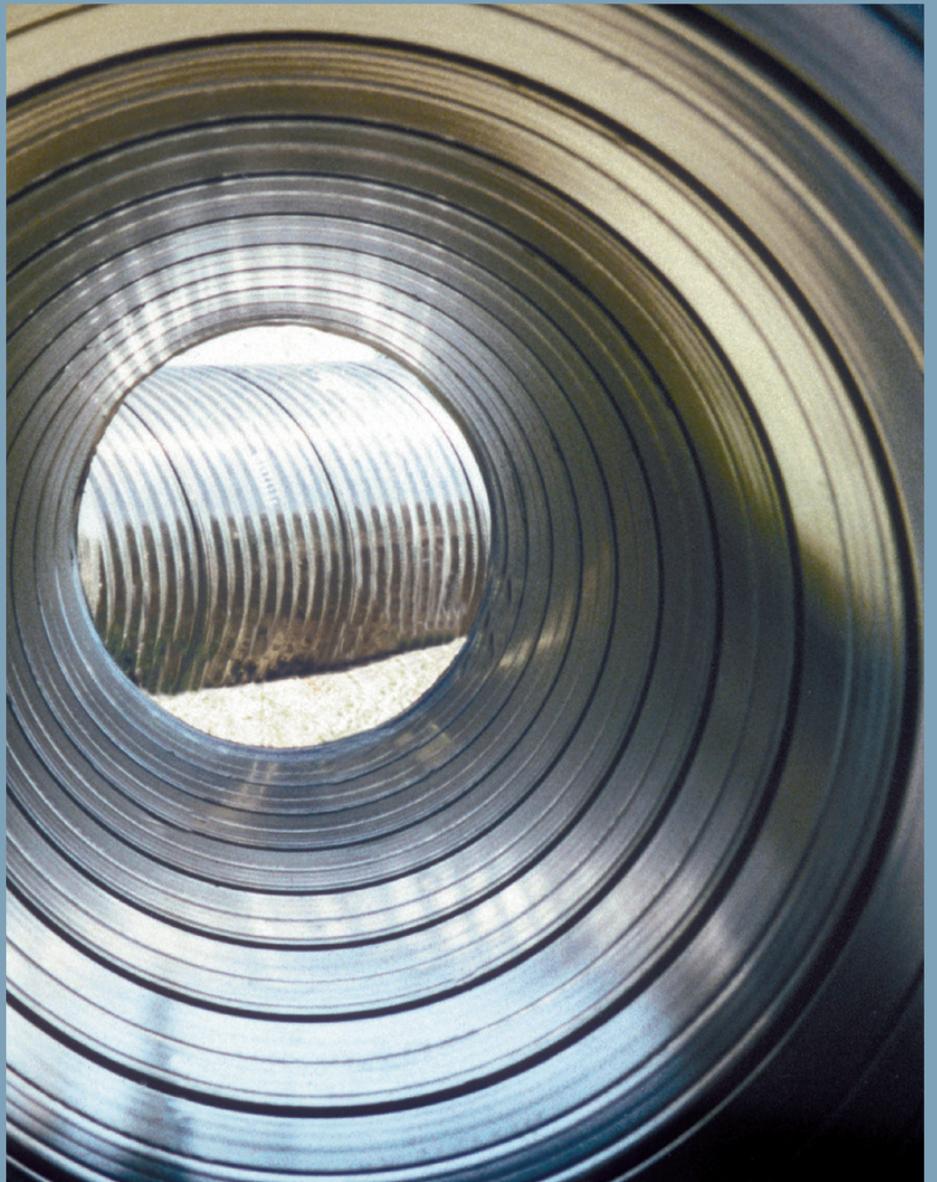


Smooth Cor[™]
Storm Sewer Pipe



Smooth Cor Pipe: Excellent Hydraulics, Long Lengths and Easy Installation

Smooth Interior... Corrugated Steel Shell

Contech Engineered Solutions' Smooth Cor pipe has a smooth interior steel liner that provides a Manning's "n" of 0.012. Its rugged, corrugated steel shell supplies the structural strength to outperform rigid pipe. Smooth Cor pipe is both the economical and performance alternate to concrete.

Superior hydraulics

Smooth Cor, with its smooth interior surface, is hydraulically superior to conventional corrugated steel pipe and with fewer joints and better interior surface, outperforms reinforced concrete pipe.

Smooth Cor's, light weight and beam strength, is superior to concrete pipe in many difficult situations such as weak soils, poor subsurface drainage conditions, steep slopes and high fills. Smooth Cor should be specified as an alternate under normal site conditions, and specified exclusively under very difficult situations that demand the strength of Corrugated Steel Pipe with positive joints and a hydraulically efficient smooth liner.



Two Pipe Shapes

In addition to full-round pipe, Smooth Cor comes in a pipe arch shape for limited headroom conditions. The low, wide pipe-arch design distributes the flow area horizontally, providing hydraulic capacity without lowering the grade.

Reference Specifications

| | | |
|---------------------|------------------------------|-----------------------------------|
| Material | Galvanized Steel | AASHTO M218 ASTM A 929 |
| | Polymer-Coated Galvanized | AASHTO M246 ASTM A 742 |
| Pipe | Steel Pipe | AASHTO M245 ASTM A 762 & A 760 |
| Design | Steel Pipe | AASHTO Section 12 ASTM A 796 |
| Installation | Steel Pipe | AASHTO Section 26 ASTM A 798 |



Structural Design

Smooth Cor is lined with either 18 or 20 gauge steel. Contech has taken a conservative approach to the maximum height-of-cover, with no additional structural allowance for the liner as provided for in the AASHTO and ASTM design specifications.

Diameters

Smooth Cor is available in diameters ranging from 18 inches to 66 inches in 2 2/3 x 1/2 corrugation. The 3 x 1 corrugation is available in diameters of 48 inches to 126 inches.

Pipe arch sizes range from 21" x 15" through 77" x 52" for 2 2/3 x 1/2 corrugations, and 53" x 41" through 137" x 87" for 3x1 corrugations.



Materials

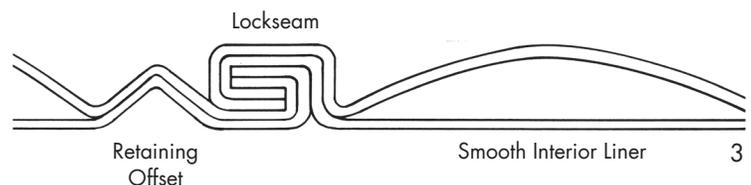
Smooth Cor is available with plain galvanized coating and a variety of other protective coatings that allow the engineer to design for long service life. These protective coatings include asphalt-coated, asphalt-coated and paved, and Dow's TRENCHCOAT®. TRENCHCOAT is a tough, heavy-gauge polymer film laminated to both sides of the steel coil, providing a barrier to corrosion and mild abrasion. TRENCHCOAT is particularly effective for protection in corrosive soils.



Polymer-coated Smooth Cor Pipe

Fittings

Smooth Cor can be fabricated into any type of structure including tees, elbows, laterals, catch basins, manifolds and reducers. Pre-fabricated fittings are more economical and have superior hydraulic characteristics when compared to concrete structures.



Contech Engineered Solutions LLC provides site solutions for the civil engineering industry. Contech's portfolio includes bridges, drainage, retaining walls, sanitary sewer, stormwater, erosion control and soil stabilization products.

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

| | |
|--------------------------------|---------------------|
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| Colorado (Denver) | 720-587-2700 |
| Florida (Tampa) | 727-544-8811 |
| Georgia (Atlanta) | 770-409-0814 |
| Maine (Scarborough) | 207-885-9830 |
| Maryland (Baltimore) | 410-740-8490 |
| Oregon (Portland) | 503-258-3180 |
| Texas (Dallas) | 972-590-2000 |

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