



# Core-Rosion Products

Your One-Stop Source for High  
Performance Tank Solutions

## Introducing Extrusion Wound PP and PE Thermoplastic Tanks

*A truly impressive solution for  
your toughest needs.*

Our extrusion wound tanks are a 15-20 year solution to a marketplace accustomed to a five-year solution for the toughest applications. These high performance thermoplastic tanks are created in a unique “extrusion winding” process which provides for capacities up to 50,000 gallons and wall structures up to 4” thick! When you demand long term performance, there is no better option; these tanks hold up to the test with highly aggressive chemicals such as sodium hypochlorite and concentrated sulfuric acid. Due to the revolutionary extrusion winding manufacturing process, expansion and contraction is not an issue thus eliminating the primary cause of failure in other thermoplastic tanks. We go well beyond ambient storage and into chemical processing that involves chemical blends at elevated temperatures up to 210°F. And, extrusion wound tanks are available in all of the standard bottom and top configurations for optimal process performance.

### Product Highlights:

- Wall thickness up to 4”
- Suitable for highly corrosive applications
- Suitable for elevated temperatures (up to 210°F)
- Custom solutions for 100 gallons up to 50,000 gallons
- Tanks are pre-stressed during the manufacturing process, which eliminates failures caused by expansion and contraction
- Top configurations include: closed, open, flat, domed, hinged and removable
- Bottom configurations include: flat, sloped, dished and cone
- Full array of high-performance features available: side manways, large diameter fittings, mixer bridges, baffles, seismic design, double wall, ladders, platforms, etc.

Warranties  
Up to 5 Years  
Available!

High density  
polyethylene  
tank holding  
32,750 gallons  
of waste water  
at 125° F. Tank  
measures 13.2'  
in diameter and  
32' tall.



# Is an extrusion wound tank right for your needs?

**Q: When is an “extrusion wound” tank the right solution for my application?**

Extrusion wound tanks are often the right choice when other tanks under-perform. If your process involves exothermic and/or endothermic reactions that result in short term performance, you’ll want to learn more about extrusion wound tanks.

**Q: How can I justify the cost of extrusion wound tanks compared to less expensive options?**

Extrusion wound tanks are the high performance and high value choice that actually save customers money by performing for three times as long, and eliminating the costs associated with downtime, clean-up, roof removal, tank removal, disposal fees, freight charges, and the setting and installation of a replacement tank when you experience a failure.

**Q: What types of applications are good for use in extrusion wound tanks?**

Extrusion wound tanks can handle the toughest storage applications such as sodium hypochlorite, concentrated sulfuric acid, high-purity chemicals, and fluorinated chemicals. When high temperature applications for chemical processes go beyond the temperature limits of polyethylene and the chemical capabilities of fiberglass, extrusion wound tanks are the solution you need.



Crews prepare to install a 13.2’ diameter, 15,000 gallon flat bottom PP tank equipped with OSHA compliant ladder, safety cage, and handrails.



10,000 gallon PP tank featuring seismic design, OSHA compliant ladder, safety cage and handrails.

## Relative Performance and Cost Comparisons

Tank Construction	AMB - 110°F	110°F - 210°F	Cost	<50,000 Gal	12.5% NaOCl	93% H2SO4	Elevated Temps & Highly Corrosive
Rotomolded PE	√	---	\$	---	√	√	---
Fiberglass	√	√	\$\$	√	√	---	---
Extrusion Wound PP & PE	√	√√	\$\$	√	√√√	√√√	√√√
Dual Laminate <sup>1</sup>	√	√√	\$\$\$\$	√	√√√	√√√	√√√

<sup>1</sup>Thermoplastic Lined Fiberglass  
 NaOCl = Sodium Hypochlorite H2SO4 = Sulfuric Acid  
 Multiple √’s indicate relative performance characteristics compared to single √’s  
 Chemicals, Concentrations, Combinations, and Temperatures Must Be Evaluated for Suitability of Service



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