



# CUTTING-EDGE PROVIDER OF COMPREHENSIVE BULK STORAGE SOLUTIONS

With over 38+ years of in-house expertise, Phoenix provides comprehensive services including engineering, fabrication, foundation installation, field construction, and much more.

[sales@phoenixtank.com](mailto:sales@phoenixtank.com)

317-271-7002

[PHOENIXTANK.COM](http://PHOENIXTANK.COM)



# DISCOVER RTP BOLTED TANKS BY PHOENIX FABRICATORS & ERECTORS

RTP, which stands for Rolled, Tapered Panel, is a key design in modern bolted steel storage tank construction. These tanks use rolled steel panels, about 108 inches long by 95 inches wide, with tapered edges for precise fitting. The panels are bolted together to form a vertical cylinder, with each set of connected panels called a “ring.” RTP tanks use lap joint panel connections with exact tolerances for a leak-free seal when combined with sealant. This design allows for tanks of various diameters and capacities, suitable for storing a range of liquids and dry materials. Phoenix Fabricators and Erectors, LLC boasts in-house design and engineering capabilities, including licensed professional engineers with deep industry expertise. As a single-source provider, Phoenix manages all aspects of tank construction—from design and engineering to fabrication, foundation installation, field construction, and more. This approach ensures strict quality control and attention to detail, resulting in high-quality storage tanks that meet or exceed client expectations.

## ADVANTAGES

### **Safety:**

Our tanks utilize synchronized jacking systems to keep our crew members on at grade for the duration of the project.

### **Cost-Effective:**

Lower shipping costs and reduced labor expenses due to simplified assembly.

### **Low Maintenance:**

Requires minimal upkeep and typically has a longer lifespan than welded or concrete tanks.

### **Customizable:**

Available in various sizes and configurations to meet specific storage needs.

### **Quick Assembly:**

Fast installation process compared to welded or concrete tanks, allowing for quicker project completion.

## FEATURES

### **Factory Coatings:**

Available in multiple finishes, including NonoTec, epoxy coated, or stainless steel for enhanced protection.

### **Leak-Proof Design:**

Utilizes lap joint panel connections and sealants to ensure a water-tight seal.

### **Modular Construction:**

Built from individual steel panels that can be easily transported and assembled on-site.

### **Robust Engineering:**

Designed for durability, with heavy-duty construction suitable for long-term performance.

### **NanoTec & Epoxy Diverse Applications:**

Suitable for storing both liquids (water, wastewater, chemicals) and dry materials - across various industries.



# THE NEXT GENERATION OF INDUSTRIAL COATINGS HAS BEGUN

The Phoenix NanoTec™, a Tesla Carbon Nanocoating, is a two-coat system featuring a low VOC epoxy primer and topcoat, offering significant advantages not only in corrosion protection but also has a 50x greater tensile strength than steel alone. The Phoenix NanoTec™ can be utilized instead of the standard GSF and Power coated systems traditionally applied to protect steel surfaces in all environments.

## Why should you choose the Phoenix NanoTec™?

The Phoenix NanoTec's difference is that it is formulated with carbon nanotubes that assemble into ropelike structures that make them tough and flexible. "Tough" translates into durability advantages over foes like weather, UV light, abrasion, and other corrosion. "Flexible" means Tesla-coated surfaces can be formed before or after coating and still remain intact because the carbon nanotubes can be stretched without breaking.

- ✔ Engineered to protect steel substrates.
- ✔ Low to no future maintenance costs.
- ✔ 2x the life of traditional coating systems.
- ✔ Industries lowest up-front installation cost.
- ✔ Wet-on-Wet application for 100% complete tank protection
- ✔ Superior adhesion to steel - more than any other coating system.
- ✔ A simple and quick application that acts and protects like plating.

We are proud to partner with Tesla Nanocoatings be the exclusive manufacturer with the Telsan® 3102 Low VOC Epoxy-CNT Topcoat

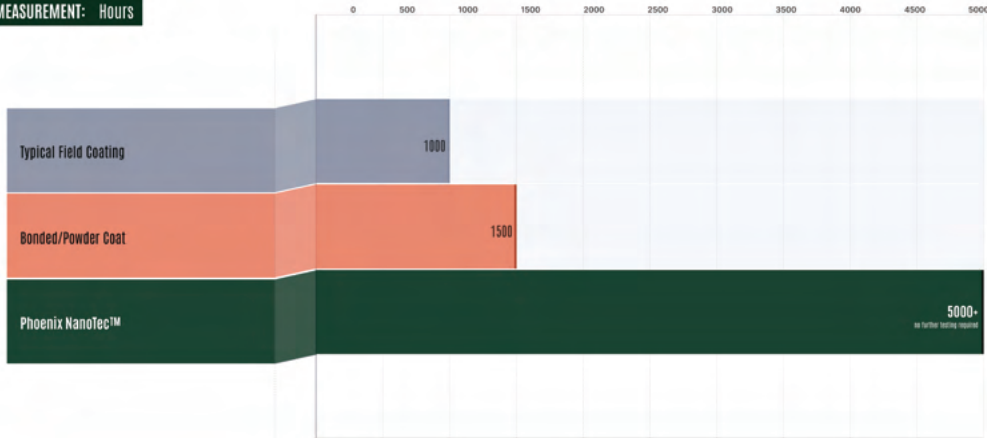


# DATA COMPARISON

The Phoenix NanoTec™ compared to Typical Field Coatings and Bonded/Powder Coatings.

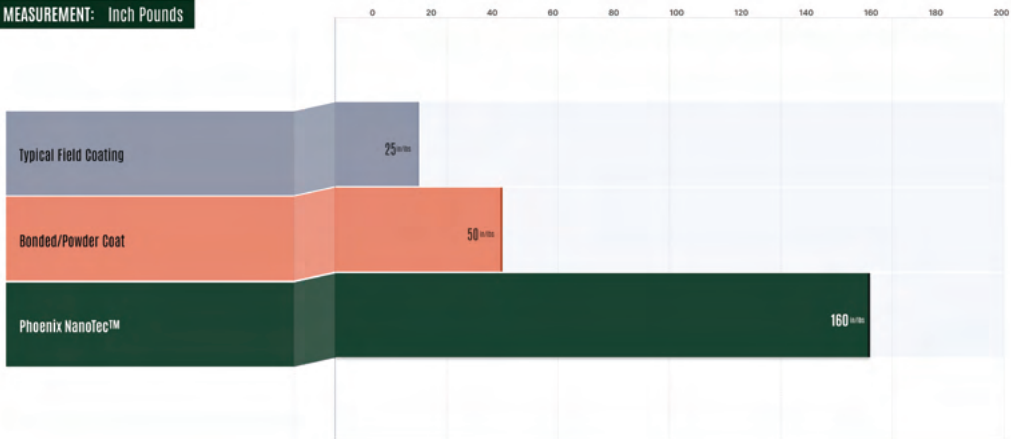
## ANTI-CORROSION TEST / CYCLIC AGING: Per ISO 12944-9

MEASUREMENT: Hours



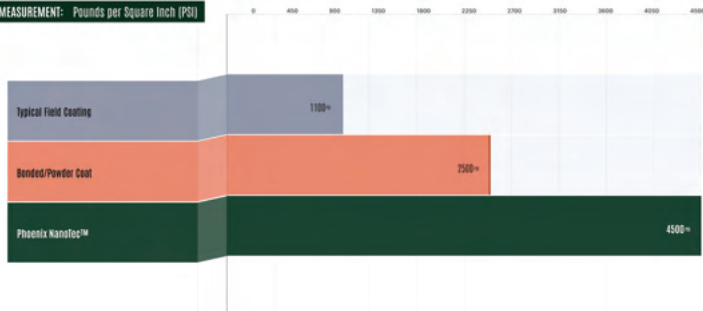
## DURABILITY IMPACT RESISTANCE: Per ASTM D2794

MEASUREMENT: Inch Pounds



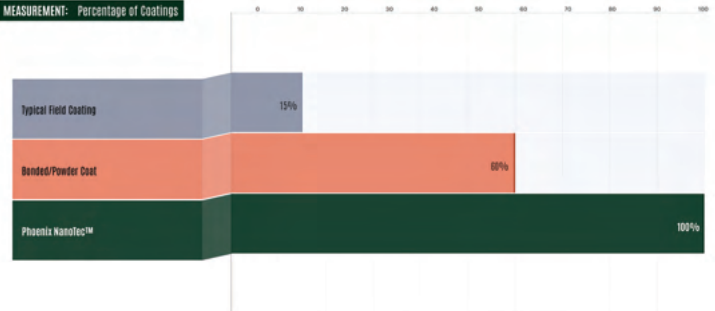
## PULL TESTING Per ASTM D4541

MEASUREMENT: Pounds per Square Inch (PSI)



## FLEXIBILITY 100% INTACT 1/8" MANDREL BEND Per ASTM D522

MEASUREMENT: Percentage of Coatings





# APPLICATIONS

## Superior Coatings for Industrial Applications

### NanoTec™ - Process & Wastewater

- |                       |                         |
|-----------------------|-------------------------|
| Agriculture waste     | Sludge                  |
| Anaerobic Digesters   | Storm Water Run-off     |
| Bio Energy            | Other Wastewater        |
| Chemical Storage      | Process Liquids         |
| Drilling Fluid Tanks  | Lime Slurry             |
| Food Storage Tanks    | Carbonate Slurry        |
| Industrial Wastewater | Fertilizer              |
| Mineral Storage       | Resins                  |
| Petrochemical         | Crude Oil               |
| Pulp & Paper Waste    | Diesel Fuel             |
| Wastewater treatment  | Drilling Fluids         |
| Municipal Treatment   | Drilling Mud            |
| Landfill Leachate     | Liquid Manure           |
| Frac Water            | Raw Water Filtration    |
| Trickling Filters     | Brine                   |
| Anaerobic Digestion   | Primary Sedimentation   |
| Secondary Containment | Secondary Sedimentation |

### STANDARD COLOR OPTIONS

*\*\*All colors shown are printed representations only.  
Custom color available upon request.*

RAL 9003

White

RAL 7042

Gray

RAL 1002

Tan

RAL 6028

Green

RAL 5001

Blue



We take pride in our skilled in-house construction crews, dedicated to delivering exceptional quality and craftsmanship. Our team's expertise ensures each bolted tank meets the highest safety and durability standards, exceeding client expectations.

## TRANSFORM YOUR EXPECTATIONS

Phoenix Fabricators and Erectors, LLC is an industry-leading provider of steel and composite elevated water storage tanks for the potable water, wastewater, and industrial markets. In addition, we provide industrial tanks and containers, custom steel fabrication, and waste solutions.

Phoenix offers a comprehensive suite of water storage tank solutions, backed by over 37 years of industry experience. As the premier single-source provider, we handle every aspect of your project in-house, from initial engineering and design to final construction.

Our expert teams specialize in:

- New Tank Construction: Design, fabrication, and installation of water storage tanks tailored to your specific needs.
- Tank Modification and Upgrades: Modernization and enhancement of existing tanks to improve efficiency and longevity.
- Tank Relocation and Raising: Strategic repositioning of tanks to optimize water distribution and storage capacity.
- Field Construction and Installation: Expert field crews for efficient and timely project execution.

By partnering with Phoenix, you benefit from our deep industry knowledge, state-of-the-art facilities, and commitment to quality.

phoenixtank.com  
317-271-7002  
sales@phoenixtank.com



© 2024 Copyright Phoenix Fabricators and Erectors, LLC. All Rights Reserved

