

**Liquid Storage  
Potable Water  
Wastewater  
Fire Protection  
Industrial Liquids**

**GET  
CONNECTED**

## Tank Connection & Akzo Nobel – Two industry leaders providing another superb performance in Water & Wastewater Storage!

*What happens when the industry leader in storage tanks teams up with the global leader in powder coatings and porcelain enamel technologies?*

### How about a proprietary FUSION BOND EPOXY (FBE) system that outperforms Glass?

#### LIQ FUSION 7000 FBE™

- The ULTIMATE INTERIOR TANK LINING system ever developed for water, wastewater, fire protection and industrial liquid storage applications. Outperforms ALL bolted tank linings offered today world-wide. (In potable water storage, our standard warranty starts at 5 years!)
- Unmatched in all performance standards including low maintenance and cost efficiency.
- The BEST CHOICE to specify for Liquid Storage Tanks.

*What happens when both leaders focus on the tank exterior for long life, low maintenance service?*

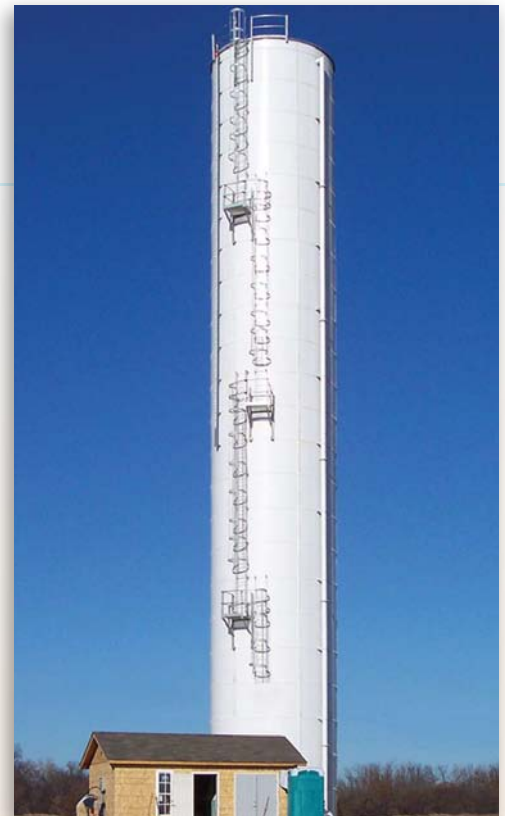
#### EXT FUSION 5000 FBE™ + EXT FUSION SDP™

- The ULTIMATE EXTERIOR TANK COATING system ever developed for water, wastewater, fire protection and industrial liquid applications. Outperforms ALL tank exterior coating systems offered today world-wide. This coating system utilizes the protective properties of our exclusive FBE epoxy powder fused to substrate with a fused topcoat of SD (superdurable) Polyester.
- In recognized exposure testing (Southern Florida Exposure Tests) our exclusive system was rated at “5 years” without change per AMAA 2604-05 specification.

How good is LIQ Fusion 7000 FBE™ & EXT Fusion 5000 FBE™ + EXT Fusion SDP™?

- The proprietary formulations are unmatched
- The factory application processes are unmatched
- The field performance is unmatched

### ***The Unmatched Performance of Tank Connection's FBE System!***



## Specification & System Performance: LIQ Fusion 7000 FBE™

**Applications:** Potable water, wastewater, municipal treatment, fire protection, industrial liquids, sour crude, petroleum products, sewage treatment, brines and industrial waste

**Film Thickness:** 7-9 mils

**pH Range:** 2-14

**NSF Certified:** NSF 61 for potable water

**Factory Holiday Free - per ASTM D5162 Method A**

### Mechanical Testing:

Adhesion:	ASTM D3359	100%
Hardness:	ASTM D3363	2H
Impact:	ASTM D2794	160/160
Flexibility:	ASTM D552	1/8"
Salt Spray:	ASTM B117	Passes 9000 hours

### Resistant Characteristics:

- Corrosion resistant
- Abrasion resistant
- Chip & scrape resistant
- Heat resistance - Water @ 200°F, Dry @ 300°F
- Chemical resistance - No change @ 11,500 hours (one year equates to 8,760 hours)

- Deionized Water
- Salt Water
- Potable Water
- Wastewater
- Ammonium Nitrate 10% & 30%
- Ammonium Sulphate 10% & 30%
- Sodium Sulphate 15%
- Urea 15%
- Sodium Chloride 10%
- Light Mineral Oil
- Benzene
- Toluene
- Gasoline
- Phosphoric Acid
- Cotton Oil
- Vegetable Oil
- Ethylene Glycol



# The Unmatched Performance of Tank Connection's Fusion FBE™ System

At Tank Connection, we rightfully claim the premier powder coat system for bolted storage tanks worldwide. Our proprietary system and controlled station processes are unmatched by any other bolted tank manufacturer.

Tank Connection's state-of-the-art powder coat technology is the only powder coat line "certified" by Akzo Nobel for bolted storage tanks. Akzo Nobel is the largest powder coat supplier worldwide.

## Comparative Data: Potable Water Storage

### INTERIOR LININGS:

Construction	Linings	Mils	Standard Warranty	System Performance
Bolted RTP	LIQ Fusion 7000 FBE	7-9	5 Years	rated @ 10
FP (Flat Panel)	Porcelain Enamel (glass)	7-10	1 Year	rated @ 8
API 12B	Epoxy Powder	5	1 Year	rated @ 4

### EXTERIOR LININGS:

Construction	Prime	Topcoat	Mils	Standard Warranty	System Performance
Bolted RTP	EXT Fusion 5000 FBE*	SDP**	6-10	3 years	rated @ 10
FP (flat panel)	Porcelain Enamel (glass)	7-10	7-10	1 year	rated @ 8
API 12B	Epoxy Powder	Polyurethane (liquid)	4-5	1 year	rated @ 6

\* FBE – Fusion Bond Epoxy Powder

\*\* SDP – Super Durable Polyester Powder

System performance ratings: Best-10; Very Good-8; Good-6; Average-4; Poor-2

## Liquid Tank Storage & Process Applications – Visit us at [www.liquidtanks.com](http://www.liquidtanks.com)

Aeration tanks  
 Anaerobic digester  
 Aerobic digester  
 Brine water  
 Brackish water  
 Chemicals  
 Clarifiers  
 Crude oil  
 Deionized water  
 Demineralized water  
 Desalinated water  
 Filter tanks  
 Fire protection water  
 Industrial process water

Industrial liquids  
 Industrial effluent  
 Municipal sludge treatment  
 Municipal potable water  
 Leachate storage  
 Petroleum  
 Potable water  
 Process water  
 Primary treatment  
 Raw water  
 Slurry tanks  
 Settling tanks  
 Secondary treatment  
 Sludge dewatering

Stormwater run-off  
 Trickling filters  
 Ultrapure water  
 Wastewater treatment



## The FUSION BOND System Advantage

Tank Connection offers the best water containment systems available. TC's proprietary LIQ Fusion 7000 FBE™ coating systems is NSF-61 approved and is unmatched in performance compared to all bolted tank linings. LIQ Fusion 7000 FBE™ is a stronger system than "porcelain enamel/glass" for potable water and wastewater storage applications.

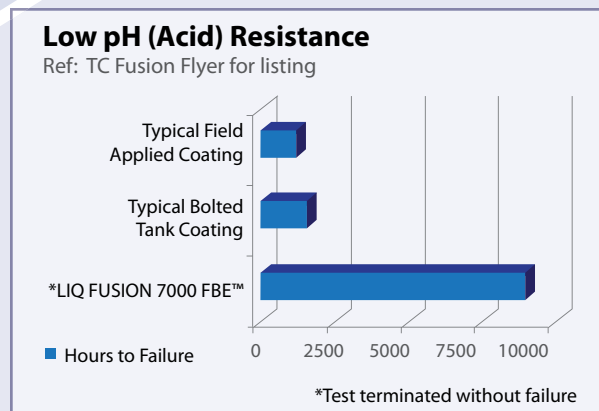
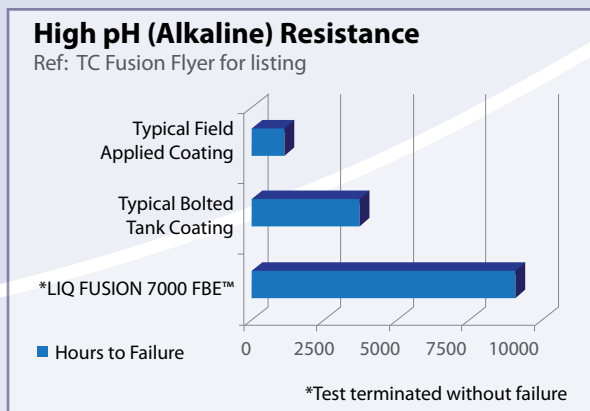
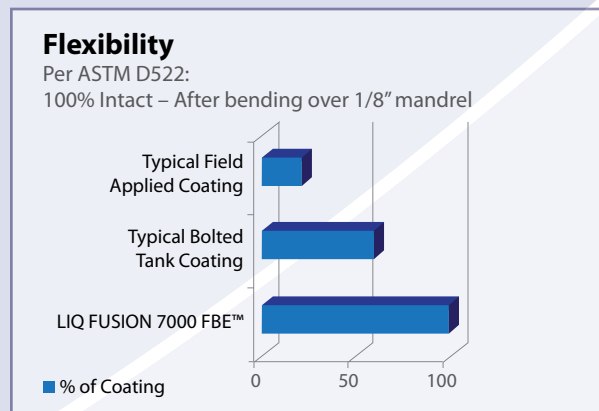
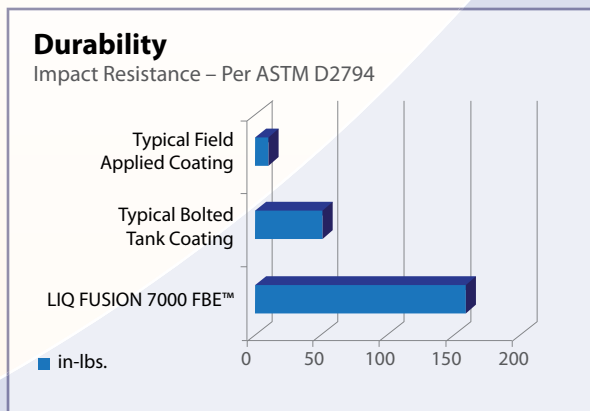
Get the facts on liquid storage at one of our websites. Download our "quick specs" at [www.liquidtanks.com](http://www.liquidtanks.com) for ground reservoirs, elevated water tanks and for all types of steel tank construction.

### The FUSION BOND EPOXY (FBE) Advantage over Glass:

- Does not spall or crack . . . two inherent characteristics of glass lined coatings.
- Holiday free lining – LIQ Fusion 7000 FBE™ is fusion bonded to substrate surface.
- Electrostatic applied "powder-on-powder" system provides complete wrap-around on panel edges and in bolt-holes, a major deficiency in glass lined coatings.
- All internal tank components are coated with LIQ Fusion FBE™, unlike glass tanks which utilize galvanized internal tank components.
- Fusion FBE™ can be repaired in the field if damaged, unlike glass coatings which cannot be field repaired.
- Does not require cathodic protection, a requirement on glass lined tanks due to uncoated edges and bolt holes.

### The FUSION BOND EPOXY (FBE) Advantage over API 12B coatings:

- LIQ Fusion FBE™ performance testing depicts superior performance over all coating systems offered for API 12B construction.
- LIQ Fusion FBE™ maintains a standard 5 year warranty in potable water storage. Competitor interior epoxy powder systems are offered with a 1 year standard warranty.
- EXT Fusion SDP™ is fused to substrate primer and cannot be scratched-off independent of base coat. (Liquid polyurethane topcoats can easily be scratched-off of base prime coat.)
- EXT Fusion SDP™ (super durable polyester) exterior topcoat maintains a 3 year standard warranty versus competitor systems offered with a 1 year standard warranty.

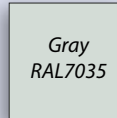
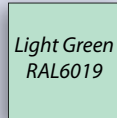


And it is all available in bolted tank construction...shipped worldwide!

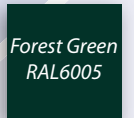
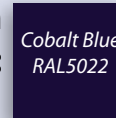


- Chemical Wash, Rinse & Dry
- SSPC - SP10 Blast (Steel Shot Media)
- Interior LIQ Fusion 7000 FBE™ Application
- Initial Coating Cure @ 350° F
- Infrared Convection
- Exterior EXT Fusion 5000 SDP™
- Oven Crosslink Cure @ 400° F
- Testing & Final Inspection

**Standard Colors:**



**Premium Colors:**



The colors shown are printed approximations. The exact color can be viewed using RAL standard color samples.

**Get Connected with the Engineer's 1st Choice in Liquid Storage Containment!**



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