

LIQUID

CONTAINMENT SOLUTIONS



GET CONNECTED
TO UNMATCHED PERFORMANCE
WITH **TANK CONNECTION**





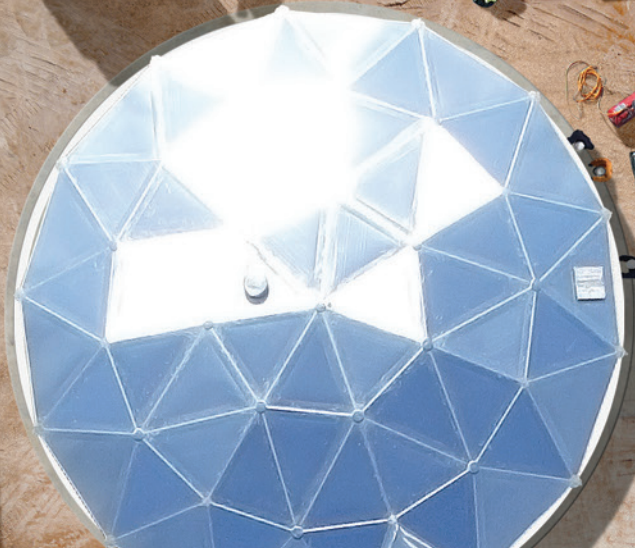
DELIVERING THE TOP
ENGINEERED TANK
DESIGNS AVAILABLE

UNMATCHED
COATING
TECHNOLOGY

#1 BOLTED
DESIGN
GLOBALLY

SAFEST
FIELD
CONSTRUCTION

THE SINGLE SOURCE
PROVIDER FOR
STORAGE SOLUTIONS



SUPERIOR CUSTOMER SERVICE

ALUMINUM DOMES
THAT OUTPERFORM



**AT TANK CONNECTION,
WE ENGINEER EXCELLENCE**

Tank Connection is the leading bolted tank manufacturer for factory coated bolted storage tanks and aluminum geodesic dome covers for liquid and dry bulk storage applications. Tank Connection is a vertically integrated company assuring the best products available while maintaining competitive pricing.

WE EXCEED EXPECTATIONS

Tank Connection is committed to helping clients find success with their projects. It is the utmost devotion to the customer that drives an unyielding pursuit of excellence that is the embodiment of Tank Connection.

WE OWN A REPUTATION OF SUCCESS

Tank Connection is an employee owned company, manufacturing American-made products in multiple ISO 9001 certified facilities in the U.S. Tank Connection has built a reputation of success with a passion for safety, innovation and continuous improvement.

WE FACILITATE COMPREHENSIVE SOLUTIONS

Tank Connection focuses on listening to clients and providing them with factual information on different types of storage containment options. This approach to service clients is based on the development of a broad product line of superior storage tank products, designs and field services.

QUALITY & SAFETY DEFINES OUR PERFORMANCE

At Tank Connection, quality and safety are second nature. Tank Connection's field installation utilizes a synchronized jack process, which allows field crews to install tanks at grade level. This process receives the highest industry ratings for quality control and safety in the field.



REVERSE OSMOSIS FLUSH/FEED WATER
Republic of Singapore



BOLTED RTP TANK CAPACITIES

Sizes up to
8.2 million gallons
30,284 cubic meters

**WHEN IT COMES TO
SAFETY, WE'VE GOT BOTH
FEET ON THE GROUND.**



**THE SAFEST FIELD
INSTALLATION
PROCESS IN
THE INDUSTRY.**



**Tank Connection jacking
systems are stored at
various locations around
the world for expeditious
results at the lowest
factored cost.**

**WE JACK THE LARGEST BOLTED TANKS IN
THE WORLD FROM GRADE LEVEL.**

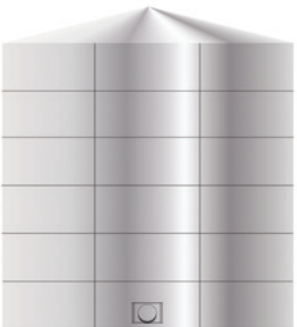
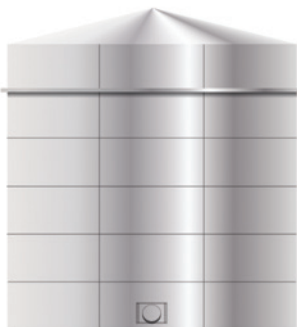

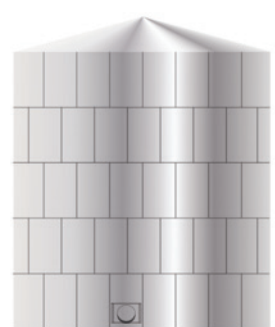








**AN
ISO 9001
CERTIFIED
QMS
COMPANY**

THE RECOGNIZED EXPERTS IN STORAGE TANK SOLUTIONS

When it comes to precision design and expert knowledge, Tank Connection maintains one of the most extensive engineering departments in the tank industry, with PE's that sit on AWWA D103, AWWA D104, AWWA D106 and AWWA D108 committees. Tank Connection maintains an expanded listing of PE stamps throughout the U.S. Starting with steel procurement at the mill and finishing with construction services in the field, all design, manufacturing, project management, system integration and field installation services are available through Tank Connection's experienced personnel.

Tank Connection offers heavy, robust tanks that are designed for low maintenance and long term performance. Bolted RTP (rolled, tapered panel) tank construction outperforms all other types of bolted tank construction through its superior design, proprietary coating systems and safe field installation processes. Let Tank Connection's expert industrial designers and shop technicians, with decades of experience in tank production, turn your specifications into a specialized tank built to last.

HEAVY MODULAR TANK DESIGN			LIGHT MODULAR TANK DESIGN						
CATEGORY 1		CATEGORY 2		CATEGORY 3		CATEGORY 4		CATEGORY 5	
BOLTED RTP		BOLTED RTP		BOLTED RTP		BOLTED API 12B FLANGED PANEL		BOLTED FLAT PANEL & CORRUGATED PANEL	
									
 DESIGN A BEST QUALITY		 DESIGN A BEST QUALITY		 DESIGN B GOOD QUALITY		 DESIGN C MARGINAL QUALITY		 DESIGN D LOWEST QUALITY	
APPLICATION CODE	AWWA D103	APPLICATION CODE	AWWA D103	APPLICATION CODE	AWWA D103	APPLICATION CODE	AWWA D103	APPLICATION CODE	Varies
PANEL TYPE	Horizontal RTP	PANEL TYPE	Horizontal RTP	PANEL TYPE	Horizontal RTP	PANEL TYPE	Vertical flanged	PANEL TYPE	Horizontal & corrugated panel
PANEL SIZE	10' x 5'	PANEL SIZE	10' x 5'	PANEL SIZE	10' x 5'	PANEL SIZE	5' x 8'	PANEL SIZE	Varies
WEB STIFFENERS	None	WEB STIFFENERS	1-2	WEB STIFFENERS	3-4	WEB STIFFENERS	Horizontal flange connections	WEB STIFFENERS	Varies + vertical stiffeners
COATING/ LINING	LIQ Fusion 8000 FBE™	COATING/ LINING	LIQ Fusion 8000 FBE™	COATING/ LINING	LIQ Fusion 8000 FBE™	COATING/ LINING	Immersion epoxy	COATING/ LINING	Immersion epoxy

THE DIFFERENCE IS CLEAR

Tank Connection's Bolted RTP Towers Above The Rest



TANK CONNECTION RECOMMENDED APPLICATION MATRIX

	CATEGORY 1				CATEGORY 2				CATEGORY 3				CATEGORY 4				CATEGORY 5				
	POOR	MARGINAL	GOOD	BEST	POOR	MARGINAL	GOOD	BEST	POOR	MARGINAL	GOOD	BEST	POOR	MARGINAL	GOOD	BEST	POOR	MARGINAL	GOOD	BEST	
Potable Water - Ground Reservoir				✓				✓				✓		✓				✓			WATER
Potable Water - Standpipe				✓				✓				✓	N/A				N/A				
Fire Protection				✓				✓				✓		✓				✓			
Raw Water				✓				✓				✓		✓				✓			
Filtration				✓				✓				✓		✓				✓			
Deminerlized Water				✓				✓				✓		✓				✓			
Industrial Process Water				✓				✓				✓		✓				✓			
Desalinated Water				✓				✓				✓	✓					✓			
Brine				✓				✓				✓	✓					✓			
Other Water				✓				✓				✓		✓				✓			
Municipal Treatment				✓				✓				✓	✓				N/A				WASTEWATER
Landfill Leachate				✓				✓				✓	✓				N/A				
Primary & Secondary Sedimentation				✓				✓				✓	✓				N/A				
Frac Water				✓				✓				✓		✓				✓			
Trickling Filters				✓				✓				✓		✓				✓			
Anaerobic Digestion				✓				✓				✓	✓					✓			
Sludge				✓				✓				✓	✓					✓			
Storm Water Run-off				✓				✓				✓		✓				✓			
Other Wastewater				✓				✓				✓		✓				✓			
Process Liquids				✓				✓				✓	✓				N/A				
Lime Slurry				✓				✓				✓		✓			N/A				
Carbonate Slurry				✓				✓				✓		✓			N/A				
Secondary Containment				✓				✓				✓		✓			N/A				
Edible Oils				✓				✓				✓	✓				N/A				
Fertilizer				✓				✓				✓	✓				N/A				
Resins				✓				✓				✓	✓				N/A				
Crude Oil			✓				✓				✓			✓			N/A				
Diesel Fuel			✓				✓				✓		✓				N/A				
Drilling Fluids				✓				✓				✓		✓			N/A				
Drilling Mud				✓				✓				✓		✓			N/A				
Liquid Manure				✓				✓				✓		✓				✓			AG
Irrigation				✓				✓				✓		✓				✓			

TANK CONNECTION BOLTED RTP DESIGN. PRECISION ENGINEERING PERFECTED.

Bolted RTP (rolled, tapered panel) design is a combination of the best features of bolted and field welded storage tanks. The modular design allows for easy shipping and safe, grade level installation. Robust construction and precision engineering make Tank Connection's bolted RTP well-adapted to all climates, geology and weather conditions. It is easy to see why it is the product of choice for liquid and dry bulk applications worldwide.

UNMATCHED COATINGS

- LIQ FUSION 8000 FBE™
- EXT FUSION SDP™

ROBUST & VERSATILE DESIGN

MODULAR CONSTRUCTION
SHIPPED WORLDWIDE

SAFEST FIELD CONSTRUCTION
EMR **.59**

The highest quality tank design at a competitive price

Bolted RTP outdates API 12B and other flat panel designs

Bolted RTP is the only design recognized as a replacement for field welded tank construction


- | | | | | |
|---|---------------------------------------|--|--------------------|---|
| #1 #1 BOLTED TANK DESIGN WORLDWIDE | UNMATCHED IN ALL CATEGORY RANKINGS | PRECISION ENGINEERED BOLTED RTP DESIGN | NO LEAK DESIGN | GRADE LEVEL, SYNCHRONIZED JACKING PROCESS |
| LONG LIFE & LOW MAINTENANCE | AVAILABLE IN UNLIMITED CONFIGURATIONS | STATE-OF-THE-ART, PROPRIETARY COATING TECHNOLOGIES | ECONOMICS OF VALUE | HEAVY TANK DESIGN |
| EXACT MANUFACTURING TOLERANCES | CAPACITIES UP TO 8 MILLION GALLONS | SMOOTH WALL CONSTRUCTION | QUICK INSTALLATION | FACTORY DIRECT INSTALLATION CREWS AVAILABLE |



ANAEROBIC DIGESTION
Barcelona, Spain



PROCESS WATER
Lycoming County, WV



ALUMINUM DOMES THAT OUTPERFORM!

APEX Domes by Tank Connection represents the pinnacle of precision engineered tank covers.

APEXDOMES.COM



FIRE PROTECTION
Aguascalientes, Mexico



POTABLE WATER
Guam, U.S. Territories



PROCESS WATER
Wileyville, WV



CLARIFIER
Hoyt Lakes, MN



BIOTRICKLING FILTERS
Dunedin, New Zealand



PETROLEUM
Panama



PRESSURIZED ALUMINUM DOME RETROFIT
Columbus, OH

PREMIER ELEVATED WATER TANKS

POSTER SERIES

The Poster Series is a proprietary advancement in elevated water design with a specialized, fusion powder coated, elevated steel floor. The tank structure can be jacked from the ground and features a variety of integrated accessories, such as platforms, access doors, bay doors, internal ladders, piping, electrical and specialized fabrication.



CAPACITY

50,000 - 350,000 gallons
(189 - 1,324 cubic meters)

MUNICIPAL WATER
McComas, WV



COMPOSITE PEDESTAL

Utilizing the highest quality jump-form concrete construction, this premier composite pedestal can include multiple storage levels and features a superior pan design.



CAPACITY

200,000 - 2,000,000 gallons
(757 - 7,570 cubic meters)

MUNICIPAL WATER
Manhattan, MT



STANDPIPE

Tank Connection provides the highest quality standpipes to meet the strictest of client requirements.



CAPACITY

25,000 - 600,000 gallons
(95 - 2,270 cubic meters)

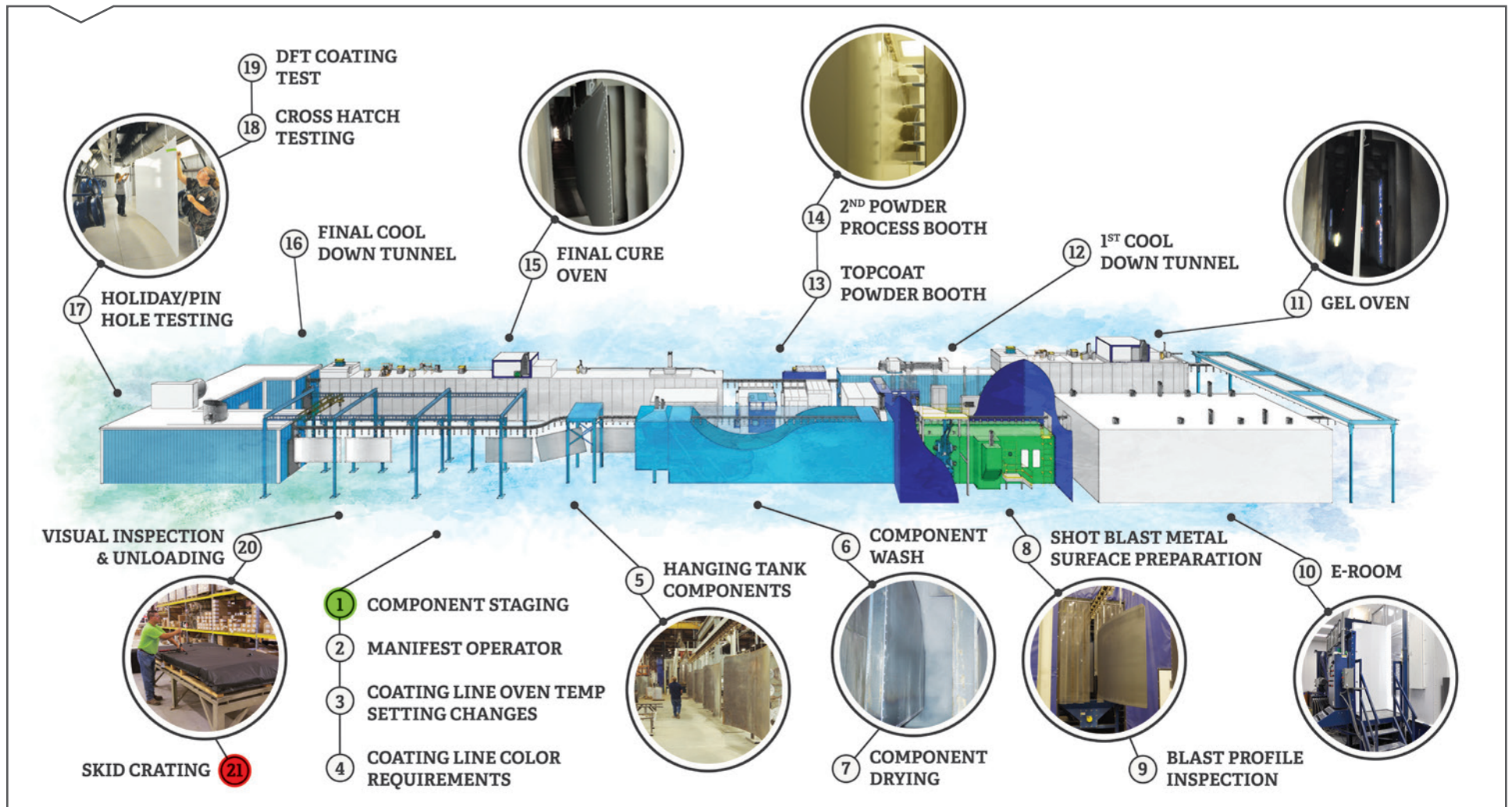
MUNICIPAL WATER
Las Cruces, NM



FUSION COATING TECHNOLOGY. UNMATCHED PROCESSES. UNRIVALED RESULTS.

Tank Connection maintains two state-of-the-art fusion powder coating lines, each over 200 yards (182.88 m) in length. The system and controlled station processes are unmatched by any other tank manufacturer.

The proprietary fusion powder coating systems offered by Tank Connection are thermoset powders that utilize low-molecular-weight solids that go through a fusion and chemical reaction to form higher-molecular-weight polymers. Once the powder is applied, the bolted steel panels enter an oven where the resins, pigments and other reactive agents crosslink to produce a high molecular weight binder system, resulting in a tough, durable coating system designed for high chemical resistance, corrosion resistance, flexibility, chip resistance, weatherability and UV protection. Tank Connection's thermoset processes are irreversible. Once the curing and crosslink takes place, the powder coating can not be returned to its original form by any means.



Tank Connection's fusion powder coating systems are formulated from thermosetting resins, binder, pigments and additives to meet today's storage requirements of durability, chemical resistance, chip resistance, flexibility, heat resistance and UV protection. The fusion powder coating formulations are created by blending the various components into a continuous mass with a completely uniform composition. This homogeneous composition is then broken down into a fine powder with the necessary components for reforming into the finished coating after fusion application and oven baking. The powder coating systems are electrostatically applied from an automated state-of-the-art, fusion powder coating line. The pre-coating stages are critical to provide the best substrate surface and anchor profile. All bolted steel panels are chemically washed and blasted to an SSPC-SP-10 near white finish. The powder is fed pneumatically into automated spray guns where a low amperage, high voltage charge is imparted to the particles. The panels to be coated are grounded so that the charged particles will seek the oppositely charged metal surfaces. This process produces a uniform, monolithic, fusion-bonded surface with superior edge and bolt-hole coverage.

21 STAGES

14 STATIONS

OVER 110 APPLICATION PROCESSES CHECKS AND INSPECTIONS

EXCLUSIVE & Proprietary
AUTOMATION PROCESSES

INTERNAL COATING TECHNOLOGY

LIQ FUSION 8000 FBE™ [Base Coat]

LIQ FUSION 8000 FBE™ outperforms all other bolted tank interior coating systems offered. Renowned for its low maintenance and cost efficiency, this durable coating is the ultimate interior tank lining system ever developed for liquid applications.

CHARACTERISTICS

- Fusion bonded to substrate surface
- Abrasion, chip and scrape resistant
- Can be repaired in the field if damaged
- Superior test performance compared to all other coatings
- Does not crack or spall
- Excellent chemical and corrosion resistance
- Best warranty in the industry

PHYSICAL PROPERTIES

Condition	Test Method	Performance
Adhesion	ASTM D3359	100%
Abrasion Resistance	ASTM D4060-07 (CS-10, 1000g, 3000 cycles)	< 70mg Loss
Abrasion Resistance	ASTM D968 (690 liters)	No wear through
Chip Resistance	ASTM D3170-03	7B
Heat Resistance: Dry	Temperature (°F)	300°F (149°C)
Heat Resistance: Water	Temperature (°F)	212°F (100°C)
Impact Resistance	ASTM D2794	160/160 direct/reverse
Hardness	ASTM D3363	6H
Flexibility	ASTM D522	1/8" (270° bend)
Pull Testing	ASTM D4541	3,000+ psi
Corrosion Resistance	ASTM B117 Salt spray test	> 10,000 hrs no change
Cathodic Disbondment	G95	13 mm (90 days, ambient)

SPECIFICATION & PERFORMANCE

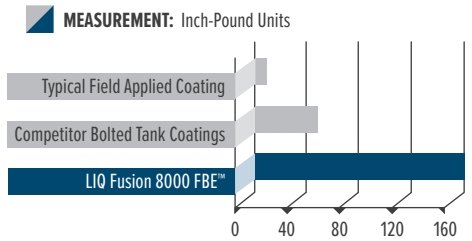
Mils	5-9 mils DFT
pH Range	3-14 pH (contingent upon liquid stored and temperature)
Testing	Factory holiday free - per ASTM D5162

CERTIFICATIONS

- **NSF/ANSI Standard 61:** Drinking Water Systems
- **FDA - 21 CFR 175.300:** Resinous and Polymeric Coatings

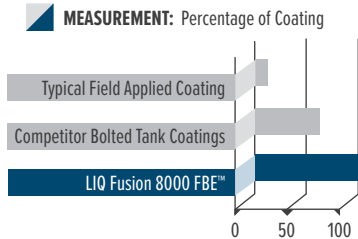
DURABILITY

Impact Resistance: Per ASTM D2794



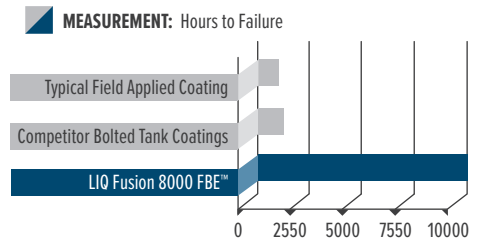
FLEXIBILITY

100% Intact - After bending over 1/8" mandrel: Per ASTM D522



LOW pH (ACID) RESISTANCE

Test terminated without failure



LIQ FUSION 8000 FBE™ + EXT FUSION SDP™ [Topcoat]

Utilizing the protective properties of Tank Connection's exclusive FBE epoxy powder fused to substrate with a fused topcoat of SD polyester, it outperforms all other tank exterior coating systems offered. In recognized exposure testing (Southern Florida Exposure Tests) this system is rated at **5 years** without change!

EXT FUSION SDP™**CHARACTERISTICS**

- Outstanding toughness with proven weatherability
- Fusion bonded to FBE base coat
- Gloss retention @ 60°: 80±5 GU
- Enhanced resistance to chalking or fading
- Superior exterior durability
- Best warranty in the industry
- Can not be scratched off independent of the base coating

PHYSICAL PROPERTIES

Condition	Test Method	Performance
Adhesion	ASTM D3359	4+
Impact Resistance	ASTM D2794	40+
Elongation	ASTM D522	1/2" or better
Exterior Durability	AAMA 2604-05	5 year Florida
Hardness	ASTM D3363	H+
Corrosion Resistance	ASTM B117	> 10,000 hrs

SPECIFICATION & PERFORMANCE

Film Thickness	6-10 mils DFT
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**FUSION POWDER COATING COLORS****STANDARD COLORS**

TC TAN
RAL1001

TC WHITE
RAL9016

TC LIGHT BLUE
RAL5024

TC LIGHT GREEN
RAL6019

TC GRAY
RAL7035

PREMIUM COLORS

TC COBALT BLUE
RAL5011

TC FOREST GREEN
RAL6005

Note: All colors shown are printed representations only.
See RAL samples for actual colors.

ELEVATE YOUR EXPECTATIONS!

- Tank Connection designs and builds the highest quality products that will stand the test of time
- Honesty, integrity and a targeted focus on client success and satisfaction are paramount
- Tank Connection is home to the leading experts with the most experience in the industry
- Quality, technological innovation and accountability are driven by a progressive vision

MUNICIPAL
POTABLE
WATER

INDUSTRIAL
LIQUIDS

WASTEWATER
TREATMENT

FIRE
PROTECTION
WATER

TRICKLING
FILTERS

RAW
WATER

ANAEROBIC
DIGESTER

ULTRA PURE
WATER

POTABLE
WATER

PROCESS
WATER

DESALINATED
WATER

CLARIFIER

INDUSTRIAL
EFFLUENT

DEMINERALIZED
WATER

BRINE
WATER

MUNICIPAL
SLUDGE
TREATMENT

DEIONIZED
WATER

CRUDE OIL

SLURRY
TANKS

INDUSTRIAL
PROCESS
WATER

BRACKISH
WATER

AERATION
TANKS

WE WILL MEET AND EXCEED YOUR EXPECTATIONS!

CERTIFICATIONS

- ISO 9001 certified QMS
- NSF/ANSI 61 (National Sanitation Foundation/
American National Standards Institute)
- FM (Factory Mutual)
- ISPM 15 (International Lumber Requirement)

REQUEST A QUOTE AND **GET CONNECTED WITH REAL PERFORMANCE**
FROM THE INDUSTRY LEADER, **TANK CONNECTION!**

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WEB: TANKCONNECTION.COM **WEB:** APEXDOMES.COM

STAY **CURRENT**
STAY **CONNECTED**

