

**the
TASMAN
TANK CO.**

DESIGN ■ FABRICATE ■ CONSTRUCT



The Tasman Tank Co. is pleased to present our TC-D103 Circular Bolted RTP 'Fusion' Bond Tank.

The ultimate fusion coated tank system for:

- Potable Water**
- Waste Water**
- Effluent**
- Raw Water**
- Industrial Liquids**
- Demineralised Water**
- Anaerobic Digesters**

**TANKS UP TO
30 MEGA LITRES**

'THE NEXT GENERATION IN COATING PERFORMANCE'



The Tasman Tank Co. specialises in providing quality, cost effective storage solutions to our customers. As part of our extensive tank

range we have teamed up with Tank Connection and Akzo Nobel to provide our local market with a Fusion Bond (FBE) System.

With the Tank Connection Fusion 7000 FBE coated panel and Tasman Tanks unmatched field experience and project management capabilities – we have the storage solution team for your next project.

The Tasman Tank Solution:

- SPECIFY
- DESIGN
- FABRICATE
- CONSTRUCT



Tasman Tanks engage a third party engineer to undertake a design review and certify that all our tanks conform with the specific project parameters.

The Tasman Tank Co. prides ourself on providing a very personal yet professional service to all our clients. With our diverse range of quality products, our field installation capabilities and our customer service, we remain unmatched in the industry.

Full turn-key systems are available, including foundation design and construction, filtration systems, pumps, valves and pipework – “The Complete Solution”.



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.

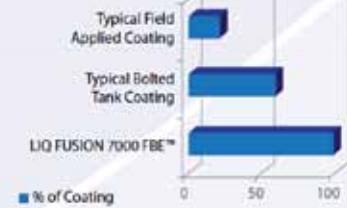
THE FUSION BOND (FBE) ADVANTAGE OVER GLASS:

- 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 can be coated with LIQ Fusion FBE™, unlike glass tanks which utilise 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.

Flexibility

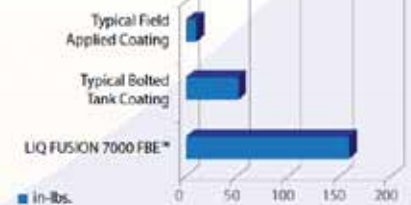
Per ASTM D522:

100% Intact - After bending over 1/8" mandrel



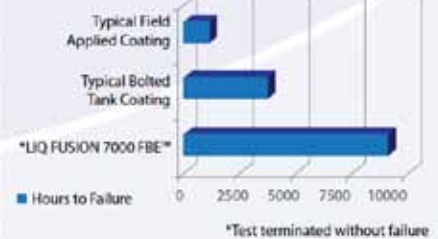
Durability

Impact Resistance – Per ASTM D2794



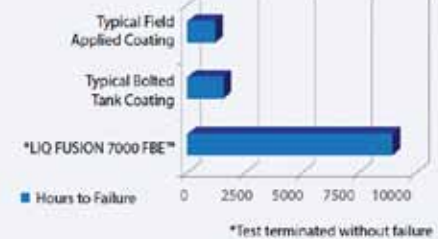
High pH (Alkaline) Resistance

Ref: TC Fusion Flyer for listing



Low pH (Acid) Resistance

Ref: TC Fusion Flyer for listing

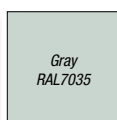
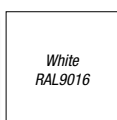
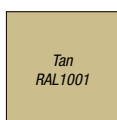


THE FUSION BOND PROCESS

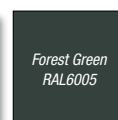
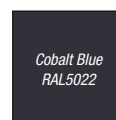
- Chemical Wash, Rinse & Dry
- SSPC - SP10 Blast (Steel Shot Media)
- Interior LIQ Fusion 7000 FBE™ Application
- Initial Coating Cure @ 350° F
- Infrared Convection
- Exterior EXT Fusion 5000 SDP™
- Oven Crosslink Cure @ 400° F
- Testing & Final Inspection



Standard Colours



Premium Colours



The colours shown are printed approximations. The exact colour can be viewed using RAL standard colour samples.

SPECIFICATION & SYSTEM PERFORMANCE: LIQ FUSION 7000 FBE™

Film Thickness: 178-228 microns

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 3.2mm

Salt Spray: ASTM B117 Passes 9000 hours

Resistant Characteristics:

- Corrosion resistant
- Abrasion resistant
- Chip & scrape resistant
- Heat resistance - Water @ 100°C, Dry @ 150°C
- 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
- Benzine
- Toluene
- Gasoline
- Phosphoric Acid
- Cotton Oil
- Vegetable Oil
- Ethylene Glycol



DESIGN ■ FABRICATE ■ CONSTRUCT

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