






History of Glass Fused to Steel

More than 85 years

1920's – Brewing Industry discovered the methodology of controlling corrosion by fusing glass to steel

- Hot Water Heaters in the 1930's (*70 years*)
- Agricultural Tanks since the 1940's (*66 years*)
- Municipal/Industrial Liquid Storage since the 1970's (*36 years*)

North Bennington, VT
Constructed – November 1991



GLASS Nothing Else Can Compare!!

- Impermeable to liquids and gases
- Excellent chemical resistance (pH3-11 @ 140°F)
- Excellent impact and abrasion resistance
- No undercutting
- Inert
- NSF Approved
- Flexible
- Superior longevity
- No re-painting or re-coating is required..EVER!!
- Resulting coating is **TOUGH** and **DURABLE** *

Quality Controlled Environment



Advanced Technology

- Largest dedicated glass coating manufacturing plant in the world
- International leader in glass-fused-to-steel technology
- 12 acres of manufacturing area
- Located in DeKalb, IL (US Company)



Glass Fused-to-Steel The ABSOLUTE Best Coating!

Proprietary High Strength U.S. Steel

Steel is leveled, cut to panel sizes and grit blasted to SSPC10

Borosilicate glass fired at 1600° F

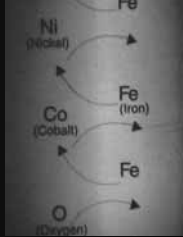
Mechanical and chemical bond

Edge Coating

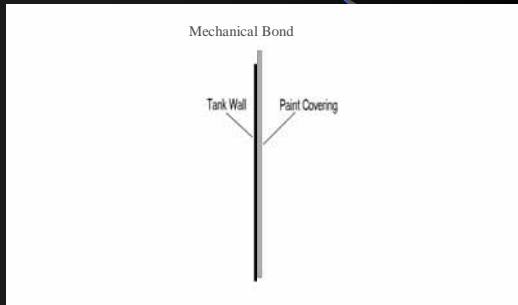
Designed to eliminate future resealing of sheet edges.

Testing

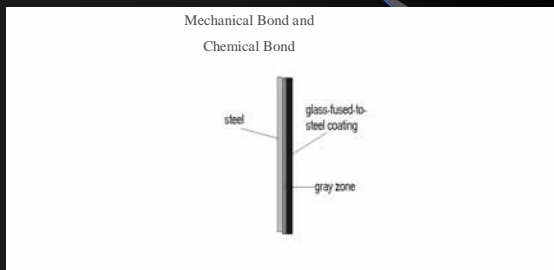
Sheets are tested for holidays / micro-voids, coating thickness and color uniformity as they come off of the glassing line



Mechanical Bond



Mechanical & Chemical Bond

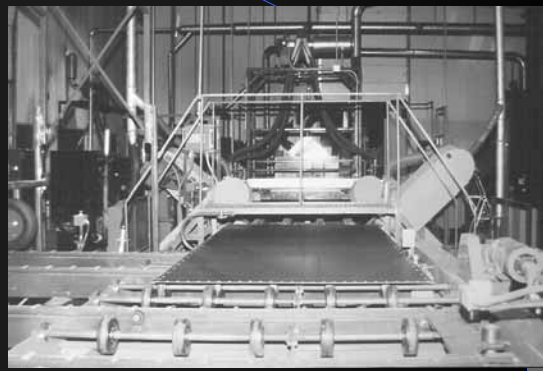


Factory Controlled



Sheets are trimmed on all four sides and holes are precision punched in a "single stroke" on a 2,500 ton press. From here the sheets move on to the "Edge-Coat" line.

Factory Controlled



Factory Controlled



Factory Controlled

Glass "frit" is combined with numerous other crucial ingredients and milled in a ceramic ball mill. This formulation is then mixed into a "slurry" called glass "slip" for application to the prepared sheets.



Glass "frit" particles

Factory Controlled

B Coat - Thickness



Holiday Testing



Color Test



A Coat - Thickness



Rise & Cord



Impact Test



Wet Tester



Thickness



In House Laboratory

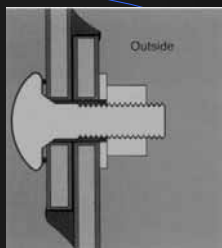


Dew Point



Bolted Joints -

- Urethane sealant used to seal joints
- Hot-dipped galvanized bolts, washers and nuts
- Interior bolt heads are plastic encapsulated, self sealing



Quality Control ALL the way

EVERY step of manufacturing from procurement of materials to the last bolt packed is documented and conforms to high standards.

Even the bolts are manufactured.... at a rate of 6.5 million per year



Statewide Aquastore, Inc.

From Beginning to End



- Sheets are placed on wooden skids built to the "roll radius" of the tank
- Heavy paper sheets placed between individual sheets
- Protective reinforced, weather resistant cover is placed over skid and entire skid is banded for shipment
- Complete Quality Controlled, State of the Art, Manufactured Tanks are shipped directly to the job site



Statewide Aquastore, Inc.

Edge coating (Aquastore)

After initial sheet preparation, all full height vertical wall sheet edges and all rectangular shaped floor sheet edges are mechanically beveled. A thermal spray coating of stainless steel is applied.

The process is called
EDGECOAT™



Statewide Aquastore, Inc.

Need it now???
Then call Aquastore!!

- Fast track projects as short as 90 days from **AWARD** to **COMPLETION**
- Submittals 2 - 3 weeks after award
- Tank manufacturing 6 - 8 weeks (*while site work and foundation work is being done*)
- Tank installation 1 - 2 weeks by the time steel hits the site

Your tank will be ready when you are

What does that mean to you?

Uncontrolled variables for FIELD
manufactured tanks.....
Even at the same location...
Result in products that are like snow flakes....
No two are exactly alike!!!

Controlled Technology
guarantees.....

When you ask for
two.....



**You get two
of the same**

Dedicated, factory trained and certified Construction Crews

They don't think just ANYBODY can build your tank.....

So, they don't LET just anybody build your tank



Statewide Aquastore, Inc.

Dedicated, Factory Trained & Certified Construction Crews



Concrete Design & Placement



Statewide Aquastore, Inc.



Starter Ring Placement

Statewide Aquastore, Inc.

Quality assurance and quality control are important in all phases of the project

Statewide Aquastore, Inc.

Advanced Technology means... Don't REBUILD when you can Expand

FACT - Glass-fused-to-steel is the ONLY tank that can be designed expandable for future growth with minimal incremental cost

- Expansion is easily accomplished because of our design.
- Simply design the foundation for the expanded tank loads...
- Typically can be expanded in one week
- Allows for future growth WITHOUT high initial cost

NEVER!!! look for a tank site again



Chenango, New York

Tank Size – 50 dia. x 19 high
(expanded to 28' high)

Tank Capacity – 276,000 Gallons
(expanded to 413,000 gallons)

Constructed – December 1985
(expanded in October 2005)

Lisbon
Martinsburg
Canajoharie

Chenango
Seneca Meadows
Albany Landfill



Construction

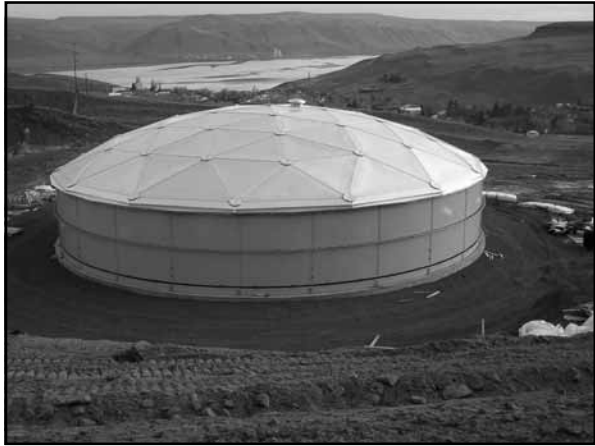


Design for top first construction minimizes working at heights.













Vandalism???? We don't think so!

Glass is the best suited tank against vandalism.



Graffiti is the biggest source of vandalism.



All you need is a mild solvent and a rag to remove any graffiti in minutes.



YEAR Round Construction

- Designed for Use AND Installation during all 12 months of the year
- FACT - Coating is NOT weather dependent



South Rome, New York
Tank Size - 25 dia. x 120 high
Tank Capacity - 450,000 Gallons
Constructed - January 2004

Cathodic Protection System (Belt & Suspenders Approach)



**IT'S A
NO BRAINER!!!**

The better your interior coating system, the more you need cathodic protection...but the less of it you need



Statewide Aquastore, Inc.

Reservoirs



Standpipes

















