

GLASS FUSED-TO-STEEL VITRIUM™ COATINGS—

A CONTINUOUS IMPROVEMENT STORY



Vitrium™—A Proven Glass With New Process Technology—
In 2001 our Research & Development group developed the technology
for totally new 'three-coat' process technology for the application
of our proprietary Titanium Dioxide (TiO₂) enriched Glass.



EXTERIOR FACE

- Base Steel
- Exterior A Coat
- Cobalt Blue Top Coat

INTERIOR FACE

- Base Steel
- Interior A Coat
- Base Glass Coat
- White TiO₂ Coat

The coating has been trademarked as Vitrium (derived from Vitreous and Titanium). This new technology enhances the advantages of previous glass technologies and provides new process efficiencies.

Electrostatic spray techniques are utilized to ensure even thickness application of the coating.

Physical Properties— Vitrium™

Inside Sheet Color	White
Standard Outside Color	Cobalt Blue, Forest Green
Thickness	Vitrium 7–16 mils, 180-380 microns (Interior: 10–16 mils, Exterior: 7–11 mils)
Service Range	140° F @ 3-10 pH-subject to verification, depending on specific products stored & glass selected
Abrasion Resistance	Taber-8 mg loss (CS-17, 100 g, 1000 cycles)
Elasticity	Young's Modulus 12 x 10 ⁶
Permeability	Impermeable to gases and liquids within normal operating temperature ranges
Thermal Conductivity	8 BTU/hr/ft ² /F°/in
Cleanability	Smooth, inert, glossy, anti-stick
Hardness	6.0-7.0 Mohs
Corrosion Resistance/ Chemical Resistance	Excellent, virtually unaffected by most waste waters, brines, sea water, sour crude, spray salt, organic and inorganic chemicals

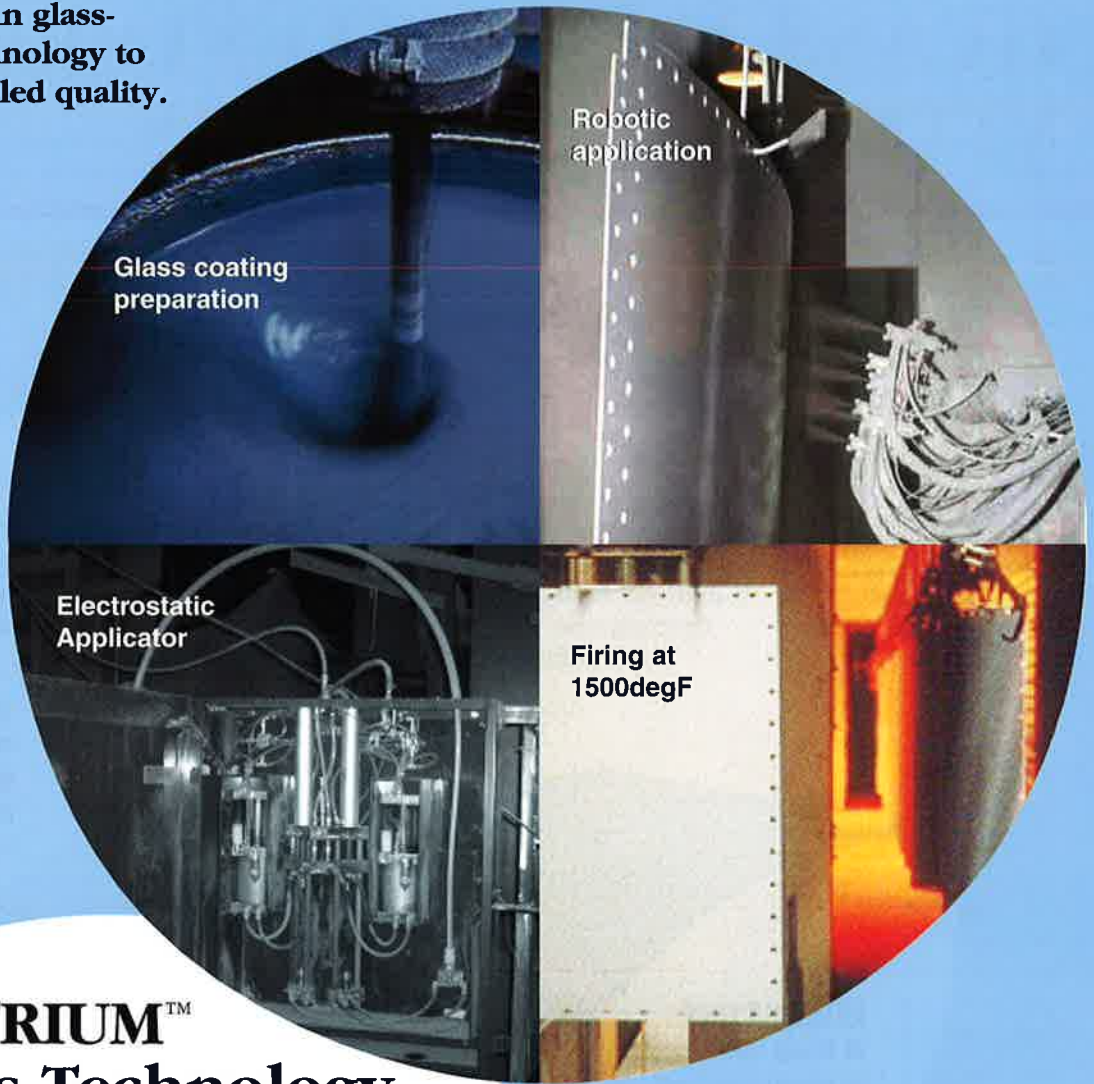
Note: Specific applications may be limited by sealant, hardware or glass protection characteristics.

Consult your AquaStore Tank Dealer for more details.

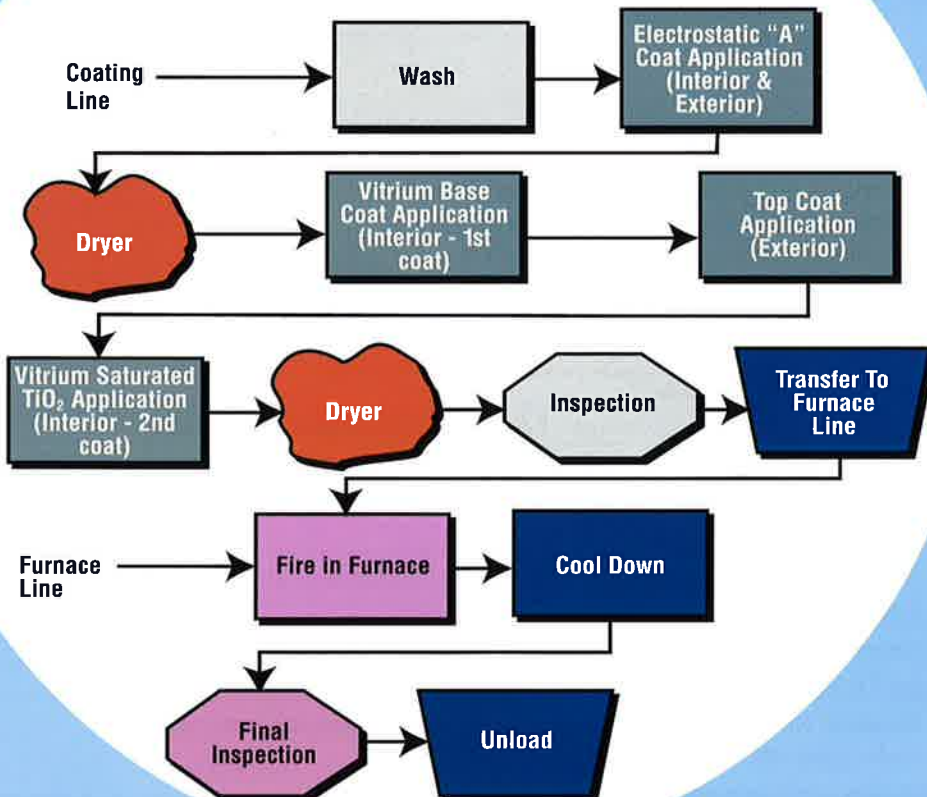
Vitrium utilizes the latest in glass-fused-to-steel process technology to create products of unequalled quality.

**Vitrium Glass:
Real Features with
Real Benefits—**

- The super tough TiO₂ Glass formulations provide longer life!
- Electrostatic coating application ensures consistent quality!
- The unique process technologies provide factory certified “holiday free” sheets!
- The process efficiencies provide competitive pricing!



VITRIUM™ Process Technology



Compare Vitrium to any competitor's offering—and discover...

...The Engineered Storage Products Company Advantage



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