



EVERSTORE

GLASS FUSED-TO-STEEL TANKS
FOR LIQUID STORAGE



UNITED INDUSTRIES GROUP, INC.

EVERSTORE®

LONGEVITY

United Industries Group, Inc. is a privately held company established in 1969 and incorporated in the USA in 1972, UIG has been committed to bolted tank design, fabrication, and innovation. When they said it could not be done, UIG made it happen by breaking through the barrier of old technology and designing the first million-gallon storage tank. Our commitment to excellence continues with our **EVERSTORE®** line of Glass-Fused-to-Steel Bolted Tanks.



COATING MATTERS

Whether your project needs simple agricultural storage or has more for more aggressive applications — UIG can custom formulate our enamel glass coating to specifically suit your application for the best and most durable coating in the industry. Our custom-made frits are fired at extreme temperatures. When the frit flows it fuses. When cooled produces a smooth, durable, **glasslike** coating on metal. The result is an integrated layered composite of glass and metal that is tougher and more corrosion resistant than the original material.

DESIGN AND ENGINEERING

EVERSTORE® tanks' specialized design and construction provide decades of low-cost storage regardless of the application. From potable water to leachate storage, our team of professionals is here to help.

UIG's **EVERSTORE®** Glass-Fused-to-Steel tanks are 100% compliant with AWWA D-103 Standard for bolted tank manufacturing. From the steel to the coating, hardware, sealant, and accessories, UIG tanks are fully compliant. Together with our **EVERDOME®** Geodesic Dome Roofs, UIG tanks are designed by world-class engineers with over a century of combined experience. UIG's capabilities include professionally recognized agencies and groups such as AWWA, API, AISC, NBCC, British Standard, EN 15282/ISO 28765, NFPA 22, IBC, FM, NSF 61, AWS, UL, and more. Utilizing our advanced operations, tanks for special conditions such as heavy liquids, high wind factors, snow, or seismic loadings can be designed for maximum efficiency, long-life, and service.

FACTORY CUT OPENINGS

Exposed steel has a greater susceptibility to corrosion which is why UIG pioneered the use of mechanically rounded sheet edges. UIG **EVERSTORE®** panel **openings** are **factory cut** before enameling to protect the integrity of the tank and ensure longer life. To cut time and expense, most manufacturers rely on field cutting panel openings. This practice causes damage to the glass coating, leaving steel edges exposed to the environment.



GLASS FUSED-TO-STEEL BOLTED TANKS

UNDER THE GLASS

With adherence to AWWA-D-103 guidelines, UIG can provide our proprietary rich carbon steel panels which go above and beyond industry standards. UIG panels have greater tensile strength and less weight. Our breakthrough technology produces a panel specifically formulated for the enameling process resulting in greater consistency. Better glass adherence, better performance, better product.



UIG **EVERSTORE**® Bolted Storage Tanks are used in a wide range of applications including harsh chemicals. Resistant to attacks from most chemicals and mixtures of corrosive materials. In addition, it has a smooth and anti-stick inert surface. It is easy to clean and does not introduce impurities to the process materials.

ASSEMBLY & ACCESSORIES

UIG's factory-trained installers assemble our tanks from the top-down utilizing a specialized jacking system which lifts the tank, keeps the crews safely on the ground, and completes the installation in a fraction of the time.

UIG manufactures and offers a full product line of options and accessories for our tanks including Domes, roof walkways, railings, caged ladders, platforms, sidewall and roof manways, hatches, vents, liquid level indicators, cathodic protection, steel roof, steel floor, gravity vents and any customized item your project may require.



STEEL ENAMELING PROCESS

UIG employs the latest breakthrough technology in tank enameling industry for our **EVERSTORE®** line. Superfine glass foam-like structure of the enameled layer provides steel plates with excellent flexibility and durability. The impermeable barrier, applied both interior and exterior, will not dull or need re-coating during the service life of the tank. Resistant to liquid and vapor, the inert silica glass fused to steel safeguards against impact, abrasion, and corrosion. **ONLY** UIG offers standard and any **CUSTOM** color for interior and exterior including Titanium Dioxide (TiO₂) white!

Step 1:
Plate Fabrication and
Rolling

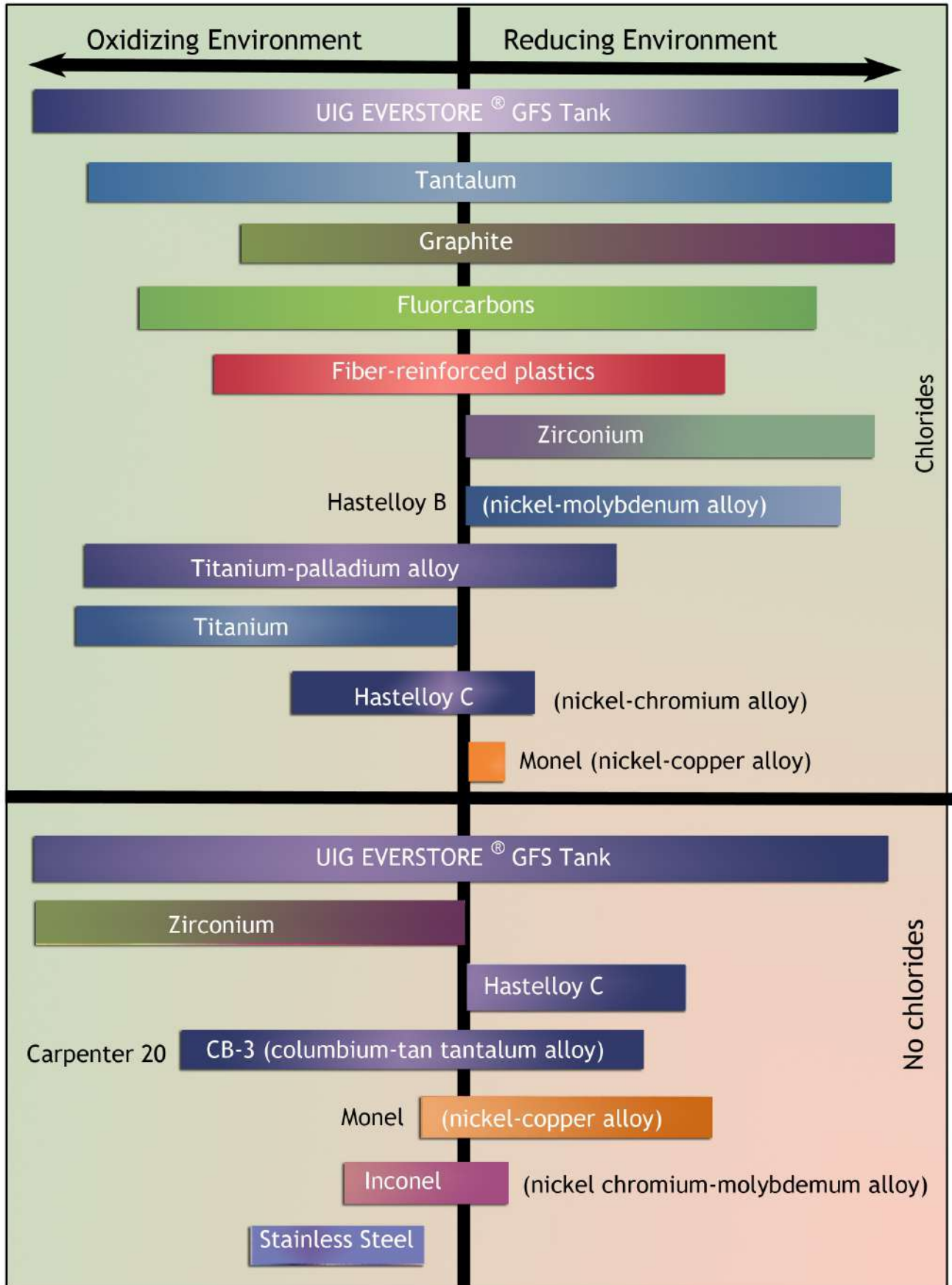


Step 2:
Preparing for
Glass Frit Application

Step 3:
High Temperature Firing
at 1450°F - 1600°F
(790°C - 870°C)



Step 4:
Holiday Testing Line



WATER SUPPLY AND TREATMENT APPLICATIONS

Potable Water - Purified Water - RO Water - Bitter/Brackish Water

Disinfecting Water - Sea Water Desalination - Irrigation Water

Raw Water/Fresh Water - Fire Fighting Water - Irrigation Water - Aeration Tank

Saline Water/Brine Water - Clarification Pool - Biological Filter - Sedimentation Container

POWER AND ENERGY APPLICATIONS

Crude Oil - Fuel Oil - Diesel - Aviation Oil - Kerosene

Drilling Mud - Process Water - DI Water - Reverse Osmosis Water

Boiler Feed Water - Coal Storage - Fly Ash Silo - Geothermal Water



Above photo: 1 Million USG EVERSTORE® Glass Fused-to-Steel Tank with Spiral Staircase



Above photo: Interior of steel floor tank using jacking procedure for assembly

WASTEWATER TREATMENT APPLICATIONS

Buffer Pool - Regulating Tank - Water Purifying Tank - Aerobic Reactor
Anerobic Reactor - Sedimentation Container - Biological Filter - Leachate Storage
Effluent Treatment - Irrigation Water - Animal Wastes - Sludge Tank

INDUSTRIAL DRY BULK STORAGE

Mineral - Chemicals - Foods
Wood Product - Petrochemicals - Plasthetics
Stone/Clay/Glass - Mining Industry - Grain / Seeds-

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FOR MORE INFORMATION

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