



StormStrong® & FireStrong™ Composite Cooling Towers



StormStrong®
COOLING TOWERS

FireStrong™
COOLING TOWERS



CERTIFIED
STRONGEST
TOWERS
AVAILABLE

Certified as the Strongest Modular Cooling Towers

Tower Tech Modular Cooling Towers are produced in the U.S.A. and made with certified and Factory Mutual tested StormStrong Fiber Reinforced Polymer (FRP) technology. Tower Tech towers can also be ordered in FireStrong configurations which are certified by FM Approvals for fire-rated cooling towers.



"Our facility was hit hard by a tornado. When we came back to the site, one of the only things left standing was our TTXR tower. It looked like someone had dropped it off after the storm."

- Customer in Kansas, USA

Durable FRP Products are the Future

Not all cooling towers are built the same. Conventional cooling towers use traditional materials and technologies. Unfortunately, some of these traditional tower designs can be decades behind in terms of innovation, engineering and design. Fiberglass Reinforced Polymer, known as FRP, is a durable composite material ideal for manufacturing modern cooling towers. The properties of engineered FRP maximize structural integrity allowing Tower Tech to achieve FM Approvals for fire, storms, hurricanes, projectile impacts and zone 4 seismic events.

StormStrong Offers Security in Storm-Prone Areas

HVAC and industrial cooling towers often suffer serious hurricane damage. Hurricanes and other tropical storms can cause major damage to facilities, requiring costly repairs to cooling towers and related equipment – and the potential downtime costs to the entire facility can be high.

StormStrong cooling towers are built of the best, innately corrosion-resistant FRP composite construction. These towers have proven capable of handling hurricane-force winds and other weather-related stresses with minimal to no damage.



When you invest in a StormStrong tower, you have peace of mind with engineering certifications including 200 mph wind loading and wind pressures that exceed the highest requirements for even the strongest storms including missile impact Level D testing.



StormStrong models can also be ordered to cover Zone 4 seismic rating with OSHPD approval and are prefabricated with additional bracing reinforcements. Acoustic certifications are also available.

StormStrong Cooling Tower Testing & Certifications

Tower Tech StormStrong towers have been extensively tested both by Creative Composites Group (CCG) and by third parties to earn ratings for storm and hurricane wind loads, missile/projectile impacts from storms and seismic activity due to wind or earthquakes.

- **Hurricane Rated:** Tower Tech cooling towers are built to withstand a 200 mph wind load
- **Level D Impact Testing:** Large missile/projectile impact testing for debris from intense storms and hurricanes. Level D meets the criteria of a nine-pound, two-by-four missile shot at 50 feet per second
- **PE Certified:** Pre-Engineered Substructure that is PE Certified for both seismic and wind loading

StormStrong Advantages

- PE Certified for Extreme Weather Events
- Missile & Projectile Impact Tested
- Earthquake Rated & Shake Table Tested
- Designed for High Wind Pressure & Rooftop Applications
- Rigid Composite Construction & ISO 9001 Manufacturing
- UV Protection on FRP Structure
- 15-Year Structural Warranty
- 100% Made in the U.S.A.



Game-Changing Innovation

FireStrong Cooling Tower Testing & Certifications

Tower Tech's FireStrong towers have been extensively tested both by Creative Composites Group (CCG) and by Factory Mutual to earn ratings for fire retardance. FireStrong provides added resiliency for fire and ensures our customers are getting the strongest cooling towers in the world.

- **FM Approvals:** This certification includes rigorous testing and meets global standards for loss prevention
- **CCG FireStrong:** This certification includes rigorous testing and meets UL94 V0 rating. FireStrong products are highly engineered and rated as self-extinguishing
- **CTI Certified:** The thermal performance of all Tower Tech cooling towers is certified by the Cooling Technology Institute (CTI)

Installation is a Breeze

Tower Tech's factory-assembled modular design allows for quick installation in less than one hour with a pre-engineered and certified substructure that reduces infrastructure costs and can minimize structural engineering design requirements.

Tower Tech towers have an efficient installation process that conserves business resources. Conventional cooling towers require significant space and weight preparation before on-site installation, which can add months to the installation process. Tower Tech cooling towers arrive factory-assembled and prefabricated and are designed for a quick installation – to save many hours on installation. All models can be installed in one hour per module. All Tower Tech towers are made from naturally corrosion-resistant FRP composites, requiring only visual inspections and virtually no maintenance over the product life compared to metallic materials.

See Your Long-Term Savings Before You Buy

Ask your Tower Tech representative for a Performance and Competitive Evaluation (PACE). Your individualized PACE report will show you the performance and operating costs of a Tower Tech cooling tower compared to other cooling towers on the market. Many customers realize up to 40% savings on their energy usage alone.



Sustainable Efficiency

Tower Tech continuously innovates to provide towers that never force you to choose between sustainability and efficiency. Tower Tech has a 30-year record of providing towers that protect business's bottom lines and keep the environment safer.

Water waste is one of the greatest operational expenses of cooling towers. Splashing and drift contribute to more water leaving the system, which is money down the drain. Designed without an open louver, Tower Tech towers can present up to 10% water savings and up to 35% chemical savings. The Flow-Thru Basin™ on every Tower Tech tower avoids standing water that fosters Legionella growth and minimizes the drift that spreads it – two common problems of traditional towers.

Eco-Friendly Design

The Tower Tech series modular towers are the most maintenance-friendly cooling tower available. All routine maintenance can be safely performed from ground level with a safety-first approach. The eco-friendly design offers the lowest drift rate in the industry; combined with the flow-through basin and enclosed tower design, water usage and chemical treatment costs are significantly reduced. Tower Tech modular towers provide the longest life span of any factory-assembled cooling tower with an industry-best 15-year limited structural warranty. Combine all these advantages with the energy savings achieved by Tower Tech's bottom fan matrix design and you get a cooling tower that maximizes sustainable efficiency.



Tower Tech

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