*Media contact: Heather West, 612-724-8760, heather@heatherwestpr.com*

**– Supporting safe, energy-efficient buildings –**

**Tubelite ForceFront curtainwall’s enhanced design combines  
hurricane impact-resistance and thermal performance**

Wausau, Wisconsin (Jan. 2025) – Apogee Enterprises’ Architectural Framing Systems segment has enhanced the [Tubelite ForceFront® Storm (FFS) 400T Curtainwall system](https://tubeliteusa.com/products/curtainwall/forcefront-storm-curtainwall/). The improved design combines verified hurricane impact-resistance with updated thermally broken design, helping code-compliant, energy-efficient buildings support occupant safety, comfort and wellbeing. Tubelite FFS 400T Curtainwall’s aluminum framing features a 2.5-inch, captured or structural silicone glazed (SSG), pressure bar system for use on single- and twin-span applications. A wider choice of frame depths also are available with this improved design.

“Projects in climates with hurricanes and tropical storms, also face extreme heat and high temperatures. Tubelite ForceFront Storm Curtainwall provides building owners with a cost-effective, comprehensive solution,” said Tim Fookes, vice president of product engineering for Apogee Enterprises’ Architectural Framing Systems segment and Tubelite products. “Our FFS 400T system helps protect people and property from windborne flying debris and wind-driven rain. Its high-performance thermally broken framing also allows for large daylight openings, while maintaining comfortable indoor temperatures and energy-efficient operations.”

Part of a full line of [ForceFront Storm](https://tubeliteusa.com/products/forcefront-storm/) hurricane impact-resistant products, Tubelite FFS 400T Curtainwall is engineered and tested to meet the Florida Building Code’s impact and cycling requirements, in accordance with relevant Testing Application Standards (TAS) and ASTM standards. These systems are approved through the Florida Product Approval (FPA) and pending with the Texas Department of Insurance (TDI). Tubelite FFS Curtainwall has been successfully tested for large missile impact testing for wind speeds in excess of 160 mph to meet High Velocity Hurricane Zone (HVHZ) Wind Zone 3, as well as air and water resistance, structural integrity, condensation resistance and thermal cycling.

Assisting buildings in meeting Model Energy Codes and stretch goals, Tubelite FFS 400T Curtainwall offers U-values as low as 0.38 per NFRC 100 when using 1-5/16-inch laminated glass with warm edge spacer. To achieve its high thermal performance, Tubelite FFS 400T Curtainwall incorporates a thermally broken, closed-tongue design with an EPDM isolator between the interior and exterior framing members. Frame system depths now range from 8-1/6 to 10-9/16 inches and back members now are offered in several sizes.

Engineered for streamlined fabrication and simplified installation, Tubelite FFS 400T Curtainwall is available as either a captured (wet-glazed) or silicone-glazed system. Compatible with other ForceFront Storm products, FFS Curtainwall easily pairs with [FFS Entrance Doors](https://tubeliteusa.com/products/entrances/hurricane-impact-resistant-entrances/) for a complete impact-resistant system.

As with all Tubelite framing systems, the framing for ForceFront Storm products can be specified with EcoLuminum®, a high recycled-content aluminum billet composition with eco-friendly, durable finishes. Coupled with daylighting, views, energy-efficient thermal performance and condensation resistance, these attributes also may assist projects seeking LEED® certification or other sustainability and wellness initiatives. Environmentally responsible, high-performance architectural paint coatings and anodize finishes can be specified for coastal conditions.

Tubelite is a brand of Apogee Enterprises’ Architectural Framing Systems segment. To learn more about Tubelite aluminum-framed storefront, entrance curtainwall and other products, please visit [https://tubeliteusa.com](https://tubeliteusa.com/), call 800-866-2227, email [dependable@tubeliteusa.com](mailto:dependable@tubeliteusa.com) or contact a local [architectural sales representative](https://tubeliteusa.com/sales).

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