

Winthrop Center

Boston, MA

High-Performance Silicones
Contribute to Sustainability
in Large "Passive House"
Skyscraper

Reaching New Heights in Sustainable Design

Winthrop Center rises from Boston's financial district, comprising 812,000 square feet of office space and 321 ultra-luxury condominiums. The 690-foot-high mixed-use tower is currently the 4th tallest skyscraper in Boston, and upon completion in 2022 became the largest Passive House Institute-certified office building in the world.

Winthrop Center is a development of Millennium Partners Boston and was designed by Handel Architects, based in New York. The building was designed to use an estimated 65 percent less energy and deliver 30-to-50-percent more fresh air than similarly-sized projects in the region.

A Passive House-certified building is highly energy-efficient, staying comfortable year-round using a system of super insulation, airtight construction, and heat-recovery ventilation, cutting energy use significantly. The office portion of Winthrop Center uses this international construction standard maintained by the Germany-based Passive House Institute (PHI).



The building has won many awards, including the Green GOOD DESIGN Sustainability Award for its outstanding energy efficiency, the CMAA New England Chapter's Project Excellence Award for its adherence to Passive House standards, and the Engineering News-Record (ENR) Award of Merit for its design and construction.



A Complete Silicone System

The fabricator, Harmon, formerly Sotawall, applied a variety of silicone products to construct the glass facade of Winthrop Center.

UltraGlaze™ SSG4650 Sealant offers 30psi design strength (now available with UltraGlaze SSG4600 Sealant), adding structural stability while resisting degradation from extreme weather and UV exposure. Winthrop Center was the first complete high rise using the maximum allowance of 30psi design strength, allowing wider sight lines, narrower mullions and aluminum savings, and higher building performance.

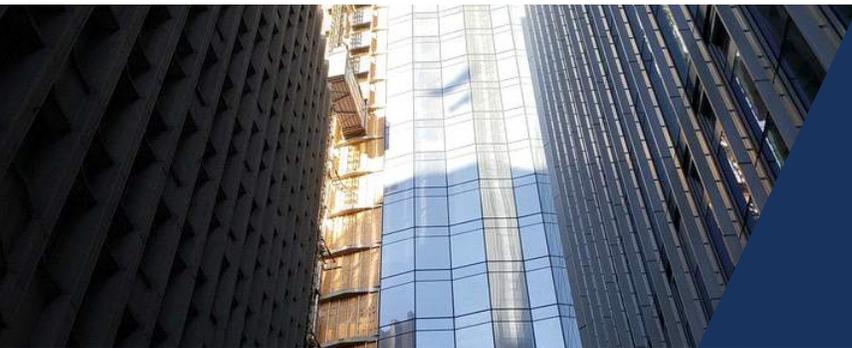
In addition, the building construction also utilized SilPruf™ SCS9000 Sealant, SCS2000 Sealant, SCS2350 Sealant, and UltraSpan™ UST Weatherstrip. These high-performance silicone products work together to create a complete facade system that is durable, weatherproof, and long lasting.

Cutting-Edge Silicone Sealants

Our silicones for building enable ambitious structures with stunning designs, and are made to withstand the most challenging climates, temperatures and conditions. These time-tested sealants add outstanding weather resistance, durability and adhesion, helping maintain building integrity over time.



NOTE: Performance results are those of reported accounts, and are not to be relied upon as typical or expected under any other circumstances. Performance results will vary depending upon a number of factors. Prospective customers should rely solely upon their own evaluative techniques to determine what results are attainable and optimal to their specific needs. Further note that MPM is not endorsed by or affiliated with the owner(s) of Winthrop Center.



Contact us for additional information.

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