

# Shanghai World Financial Center

Pudong District, Shanghai, China

UltraGlaze™ and SilPruf™  
Sealants Support Iconic  
Elegance

## Advanced Sealants Secure and Protect

The Shanghai World Financial Center (SWFC) is among the tallest, most intricately designed buildings in the world. The tower's design emphasizes a symbolic link between heaven and earth with its striking form—a square prism intersected by two arches with its signature cutout top.

Constructing the 101-story tower posed extraordinary challenges. Earthquakes, typhoon-level winds, and extreme weather conditions are all quite common in Shanghai—and demanded advanced sealant solutions that could endure severe impact and help reduce the potential for damage. UltraGlaze Structural Silicone Glazing (SSG) Sealants and SilPruf Weatherseal Sealants offered the outstanding strength, flexibility, and durability the building needed to secure and protect its awe-inspiring design.

*"The MPM team of technical experts responded to unique design requirements and implemented focused, on-site training and oversight that were instrumental in the success of this project."*

**Daniel Choi**  
Senior Project Manager  
Gartner Shanghai (Permasteelisa Group)

## Built-in, Proven Protection

To construct the tower's complex curtainwall system, Gartner Shanghai chose UltraGlaze SSG4400 sealant. With excellent strength and tear resistance, UltraGlaze SSG4400 sealant helped create a lasting bond between the glass and the SWFC's aluminum frame—one that exceeded the required safety guidelines by five times.

## Streamlined Fabrication

Gartner Shanghai completed fabrication of the curtainwall in just two years, thanks in large part to the adjustable work life, rapid deep section cure, and low pumping viscosity of UltraGlaze SSG4400 sealant. These attributes allowed for quicker production and assembly of fabricated units in-shop.

## A Trusted System

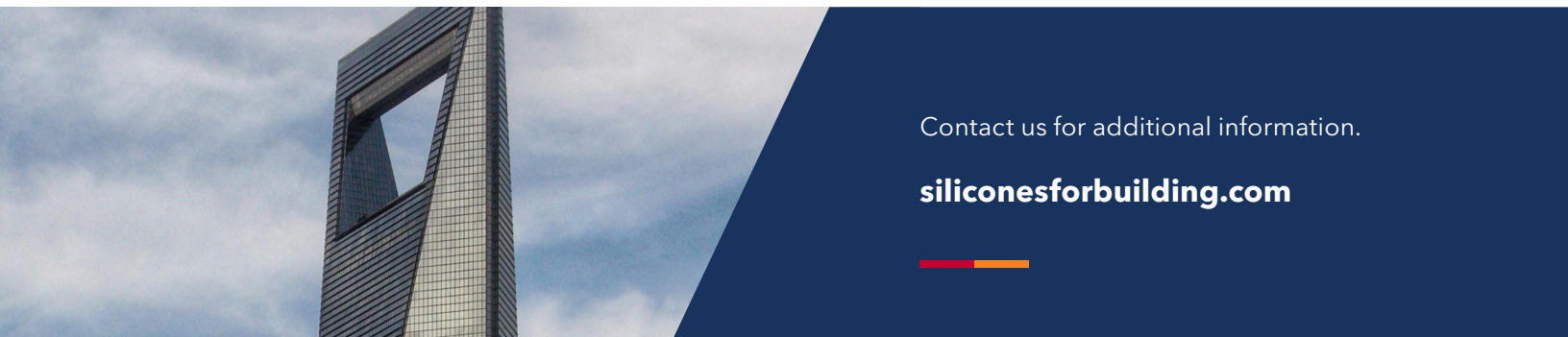
The compatibility of MPM products was also critical to the project's design needs. Gartner Shanghai chose SilPruf SCS9000 NB sealant knowing it could securely adhere to the stone sections of the structure. The solution was capable of resisting dirt pick-up, as well as avoiding surface streaking and substrate staining.

## Collaboration for Success

Today, the Shanghai World Financial Center is a highly recognized building, attracting some of the largest and most successful financial services firms as tenants. Its inventive design and soaring height are a testament to the efficacy of Momentive Performance Materials (MPM) sealants and the deep experience of its team of technical experts.

"The team of experts behind Momentive has a proven track record in delivering [quality, high-tech sealant materials] and therefore is a trusted supplier," said Ted Graban, general manager of the project's curtainwall fabricator, Gartner Shanghai (Permasteelisa Group).

**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 the Shanghai World Financial Center.



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