

A next generation of design flexibility for innovative, world-class architecture.

GE SSG4600 UltraGlaze*: Powerful performance for increasingly demanding design requirements.



The soaring Shanghai World Financial Center was structurally glazed with GE UltraGlaze* silicone sealant product before opening in 2008.

GE UltraGlaze silicone sealants are rooted in a history of excellent performance on complex and unique building structures around the globe. The Shanghai World Financial Center, for instance, designed by world-renowned architectural firm Kohn Pederson Fox Associates, is a striking example of innovative structural design built to guard against forces of wind and earthquakes¹.

Named 2008's best skyscraper, this awe-inspiring, 101-story, mixed-use skyscraper in Pudong, Shanghai, China boasts the highest observation deck in the world. The complexity of the building design required a structural glazing silicone system delivering outstanding strength, durability and weatherability. GE UltraGlaze sealant was used to structurally glaze the building prior to its opening in 2008.

Powerful performance for a multitude of demands.

As the complexity of building design has evolved, the GE UltraGlaze silicone sealant product line has consistently expanded its time-tested, high-performance offerings for structural and protective glazing applications. GE SSG4600 UltraGlaze is no exception. This high-strength, two-part silicone elastomeric adhesive/sealant features mechanical properties that expand the design boundaries for architects and specifiers.

With its high tensile-adhesion strength, SSG4600 is capable of withstanding extreme forces and pressures without tearing or rupturing. With a high inner-tear strength, SSG4600 is capable of resisting tear propagation and maintaining performance integrity if inadvertently damaged. What's more, the properties inherent to silicone provide the basis for both strength and durability, which means SSG4600 is an excellent choice for many protective glazing applications. It can remain intact when exposed to extreme conditions, absorbing and enduring severe impact, and reduce the potential for damage from intense wind, precipitation and a range of seismic activity.

SSG4600 Typical Properties

Tensile Strength	192 psi
Tear Strength	64 ppi
Movement Capability	+/- 25%
Work Life	20-60 Minutes
Colors	Black & Grey

Combats all climatic conditions

Due to its silicone composition, SSG4600 can withstand severe atmospheric conditions and the extreme weather fluctuations a structure faces from season to season. SSG4600 exhibits excellent long-term resistance to ultraviolet radiation, high and low temperatures, rain, snow and natural weathering. As a result, 4600 provides the two most critical attributes of effective weatherproofing: long-term efficacy in sealing out air and water; and the ability to withstand weather and atmospheric conditions without degradation.

1. Shanghai tower named year's best skyscraper. Reuters. 2008-11-20. <http://www.reuters.com/article/idUSTR4AK10N20081121>

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The Shanghai World Financial Center and Kohn Pederson Fox Associates have not endorsed this advertisement.



imagination at work

Where unique and complex building ideas are capable of becoming the world's most innovative structures.

With decades of experience on some of the world's most innovative and picturesque structures around the world, the GE sealants team provides a wealth of knowledge and comprehensive support to help ensure a project is successful. Whether applying sealant in new or remedial applications, the sealants team provides superior technical assistance, warranty support and product usage reviews, from a project's inception to its completion.

For more information, visit ge.com/silicones.