



DOW CORNING

## Dow Corning News

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### **Dow Corning Showcases at CTBUH 2016 Conference Advanced, High-Performance Silicone Portfolio for Building and Construction Industry**

*Company Highlights Crystal-Clear Glazing, Bonding and Insulative Sealant Technologies as Key Components of Total Solutions Product Strategy*

**SHENZHEN, China:** Dow Corning, a global leader in silicones, silicon-based technology and innovation, is showcasing here at CTBUH 2016 (Stand 30) its robust portfolio of high-performance silicones for customers in the building and construction industry. In particular, the company, a CTBUH 2016 silver sponsor, is spotlighting its structural glazing, bonding and insulating silicone solutions for use in increasingly taller skyscrapers and other high-rise buildings. These materials, proven in a wide array of building applications around the world, enable building architects, contractors and OEMs to achieve greater design freedom, increased productivity and improved overall performance.

The extreme performance benefits that Dow Corning's leading-edge silicones provide are highlighted in two case studies featured at the company's stand. These include the Dubai's Burj Khalifa, the tallest building in the world, and the Shanghai Tower, the tallest building in China.

"Dow Corning is here at CTBUH to showcase exactly how our breakthrough silicone technologies are helping our customers build bigger, better, stronger and more energy-efficient buildings that continue to redefine the industry," said Jean Paul Hautekeer, global strategic market director, Building and Construction, Dow Corning. "Our materials are durable and proven, one of the most important things to consider when specifying silicone for use in a tall building or glass structure."

## Helping Buildings Reach Skyward

Among the wide array of high-altitude structures using Dow Corning's industry-leading building and construction silicones, two are being featured at the Dow Corning stand:

- The Dubai Burj Khalifa Tower – The tallest building in the world, this structure uses two high-performance Dow Corning sealants. The first is *Dow Corning*<sup>®</sup> 3362 Silicone Insulating Glass Sealant, a neutral-curing silicone sealant specifically formulated for use as a secondary seal in the manufacture of high performance insulating glass units. It provides excellent temperature stability, is resistant to ozone and ultra-violet (UV) radiation, is certified by European Technical Approval (ETAG 002) and complies with EN 1279 requirements. The second, *Dow Corning*<sup>®</sup> 993 Silicone Structural Glazing Sealant, provides excellent weathering properties and high resistance to UV radiation, heat and humidity. Having earned European Technical Approval ETA 01/0005, it is ideal for structural bonding to glass and metal.
- The Shanghai Tower – The tallest building in China, this 125-floor tower occupies a site area of 30,000 square meters and uses *Dow Corning*<sup>®</sup> 993N Silicone Structural Glazing Sealant. In addition to its excellent weathering properties and outstanding resistance to UV radiation, high heat and humidity, this sealant provides a strong, fast-cure adhesive bond to the joints between the Shanghai Tower's laminated glass units and its curtain wall frame.

As a pioneer in the development of advanced silicone solutions, Dow Corning has, for more than 50 years, supported customers in the building and construction industry. From its first glass curtain wall project in China in 1983, the company's high-performance silicone building materials are widely used in many of China's most notable high-rise buildings. Today, 80 percent of China's most inspiring buildings feature Dow Corning sealant and glazing solutions. These include the Shenzhen Ping An International Finance Center, the Shanghai Center, the Guangzhou TV Tower and the Hong Kong International Finance Center.

“Dow Corning continues to innovate and develop new building and construction silicones to support our customers here,” Hautekeer added. “As buildings continue to grow ever higher, environmental regulations become tighter, and the demand for next-generation materials increases, our materials are clearly making a difference in helping our customers succeed.”

Dow Corning is also highlighting at CTBUH 2016 its Dow Corning Quality Bond™ program, a new initiative that brings together property developers, architects, consultants, engineers, fabricators and applicators by sharing Dow Corning’s extensive know-how in silicone bonding applications for high performance building.

Additionally, the company is sharing the results of two studies conducted by Germany’s Federal Institute for Materials Research and Testing (BAM) and the University of Regensburg in Bavaria with the Dow Corning material that found that the expected structural glazing silicones longevity is more than 50 years.

### **About Dow Corning**

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Dow Corning (dowcorning.com), a wholly owned subsidiary of The Dow Chemical Company, provides performance-enhancing solutions to serve the diverse needs of more than 25,000 customers worldwide. A global leader in silicones, silicon-based technology and innovation, Dow Corning offers more than 7,000 products and services via the company’s *Dow Corning*® and XIAMETER® brands. More than half of Dow Corning’s annual sales are outside the United States. Dow Corning’s global operations adhere to the [American Chemistry Council’s Responsible Care® initiative](#), a stringent set of standards designed to advance the safe and secure management of chemical products and processes.

### **About High Performance Building Solutions**

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Dow Corning is collaborating with industry professionals around the world to develop solutions to improve the energy efficiency of buildings, offer long lasting solutions and excellent technical support. Taking a holistic approach, Dow Corning brings together expertise from across the company to help customers find solutions to a wide range of high performance building challenges. Dow Corning High Performance Building Solutions include proven materials for structural and protective glazing, weatherproofing, insulating glass, window and door fabrication, and building materials protection, as well as innovations for high-efficiency insulation, LED lighting, thermal management systems, and the incorporation of photovoltaic cells and solar panels into building design.

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**PHOTOS: The Dubai Burj Khalifa Tower (left), the tallest building in the world, and the Shanghai Tower (right), the tallest building in China, use high-performance Dow Corning sealants.**

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