The World’s Tallest Towers

Case Study: Petronas Towers

Dow Performance Silicones

The Products

DOWSIL™ provided sealant testing prior to construction and frequent visits to monitor proper sealant installation during construction. Dow sales and technical service representatives from around the world came together in support of the project.

The Project

At 1,483 feet, the towers are the world’s tallest. The tower complex includes offices, a concert hall and a five-storey shopping arcade.

To glaze, seal and install the aluminum, glass and stainless steel curtainwall units on the exterior the technical architect, Adamson Associates Architects of Mississauga, Ontario, selected DOWSIL™ brand silicone sealants exclusively.

The curtainwall units are roughly 4 feet by 10 feet sealed on the inside with DOWSIL™ 795 Silicone Building Sealant. For areas that required additional movement capabilities, Adamson specified DOWSIL™ 790 Silicone Building Sealant. DOWSIL™ 791 Silicone Weatherproofing Sealant was used for perimeter sealing, and DOWSIL™ 983 Silicone Glazing and Curtainwall Base was used for structural glazing.

The Project

Petronas Towers soar from the heart of the business district in Kuala Lumpur, Malaysia. At 1,483 feet, the towers are the world’s tallest – 29 feet higher than Chicago’s Sears Tower and 115 feet taller than the World Trade Center in New York.

The tower complex includes offices, a concert hall and a five-storey shopping arcade. To glaze, seal and install the aluminum, glass and stainless steel curtainwall units on the gleaming exterior the technical architect Adamson Associates Architects of Mississauga, Ontario – selected DOWSIL™ silicone sealants exclusively.

City and Country

Kuala Lumpur, Malaysia

Products*

- DOWSIL™ 795 Silicone Building Sealant
- DOWSIL™ 790 Silicone Building Sealant
- DOWSIL™ 791 Silicone Weatherproofing Sealant
- DOWSIL™ 983 Silicone Glazing and Curtainwall Base

Key Participants

- Technical Architect
  Adamson Associates Architects of Mississauga, Ontario

*Prior to February 2018, products listed were branded as Dow Corning.
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Contact Us

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Dow has sales offices, manufacturing sites and science and technology laboratories around the globe. Find local contact information at consumer.dow.com/ContactUs.