

Case Study Petronas Towers, Kuala Lumpur

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 Dow Corning brand silicone sealants exclusively.

The products

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

Construction began in 1993 and was completed in March 1996. The curtainwall units are roughly 4 feet by 10 feet, and include a stainless steel spandrel panel with 3.3 feet of spandrel glass, and 6.5 feet of vision glass. All of the inside seals on the curtainwall are Dow Corning® 795 Silicone Building Sealant. For areas that required additional movement capabilities, Adamson specified Dow Corning® 790 Silicone Building Sealant. Dow Corning® 791 Silicone Perimeter Sealant was used for perimeter sealing, and Dow Corning® 983 Silicone Glazing and Curtainwall Adhesive/Sealant was used for structural glazing.



Building: Petronas Towers
City: Kuala Lumpur
Country: Malaysia
Product: Dow Corning® 795
Silicone Building Sealant
**Dow Corning® 790
 Silicone Building Sealant**
**Dow Corning® 791
 Silicone Building Sealant**
**Dow Corning® 983
 Silicone Glazing and Curtainwall
 Adhesive/Sealant**
**Technical Architect: Adamson Associates
 Architects of Mississauga, Ontario**

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 Dow Corning brand silicone sealants exclusively.
- The curtainwall units are roughly 4 feet by 10 feet sealed on the inside with Dow Corning 795 Silicone Building Sealant. For areas that required additional movement capabilities, Adamson specified Dow Corning 790 Silicone Building Sealant. Dow Corning 791 Silicone Perimeter Sealant was used for perimeter sealing, and Dow Corning 983 Silicone Glazing and Curtainwall Adhesive/Sealant was used for structural glazing.

Business & Technology Centre
 Dow Corning
 Parc Industriel - zone C
 B-7180 Seneffe
 Tel. +32 64 888 000 Fax. +32 64 888 401
 European Press Office, GCI Group
 30-34 New Bridge Street
 London EC4V 6BJ
 Tel. +44(0) 207 072 4000 Fax. + 44(0) 207 072 4010