



SIKA AT WORK

WARSAW SPIRE OFFICE COMPLEX

SIKA TECHNOLOGIES: Elevation silicon sealing:
weather sealant Sikasil® WS-605 S,
structural adhesive Sikasil® SG-500

BUILDING TRUST





The Warsaw Spire office complex is located in the city center and consists of three buildings: the tallest office building in Warsaw which together with spiers rises 220 m flanked by two 55-metre auxiliary buildings with a total floor space of over 100 000 m². A remarkable green inner area with the elements of landscape architecture, a lake, fountains and a 120-meter cascading stream was built inside the office complex offering an escape to the hustle and bustle of the urban lifestyle to all residents of Warsaw.

SEALED AND WEATHERPROOFED ELEVATION OF WARSAW SPIRE OFFICE COMPLEX

PROJECT REQUIREMENTS

The elevation of the Warsaw Spire tower of 32 000 m² area has a unique architecture. From the east and west it constitutes a hyperboloid curtain wall made of glass and aluminum based on triangular steel supports. The slim and dynamic elevation geometry is adapted to the construction shape. The installation of the curtain wall required the application of:

- weather sealants for sealing the vertical and horizontal joints,
- structural adhesives for sealing and fastening the glass corners enabling the transfer of the glass edge loads,
- adhesives for bonding elements of stainless steel.

SIKA SOLUTIONS

Sika materials were used for weathproofing joints of the curtain wall construction and structural bonding of glass to aluminum frames.

For structural glazing, two-component, fast-curing **Sikasil® SG-500** structural silicone adhesive was applied. Its properties include: high strength, excellent resistance to UV and weather conditions. It's designed for the application with the use of appropriate guns.

Sika weather sealants have the extraordinary resistance to changing weather conditions, high flexibility and are available in a wide range of colors. For weather sealing of the elevation's vertical and horizontal joints, high performance, single-component **Sikasil® WS-605 S** was used. Its main advantages are high movement capability and excellent adhesion to a wide range of substrates.

Importantly, **Sikasil® WS-605 S** does not cause discoloration on sealed materials made of glass, metals, plastics, wood and certain types of natural stone.

The application of Sika sealants was conducted with the use of electric guns for 600 ml unipacks and pneumatic guns for 490 ml cartridge and 600 ml unipacks.

A very good cooperation with the elevation contractor, Alumen company, resulted in a very efficient work progress.

WARSAW SPIRE COMPLEX IS CERTIFIED WITH BREEAM ON THE EXCELLENT LEVEL





PROJECT PARTICIPANTS

Owner / Investor: GHELAMCO POLAND

Architects: M. & J-M. Jaspers - J. Evers & Partners,
Projekt Polsko-Belgijska Pracownia Architektury

Elevation architect and contractor: Grupo Folcra Edificacion SA,
Alumen Sp z o.o.

Sika Poland: Krzysztof Sobczyk

Przed zastosowaniem materiałów należy zasięgnąć informacji dostępnych w aktualnych Kartach Informacyjnych.



SIKA POLAND SP. Z O.O.
ul. Karczunkowska 89
02-871 Warszawa

Kontakt:
Tel: +48 22 31 00 700
Fax: +48 22 31 00 800
www.sika.pl

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