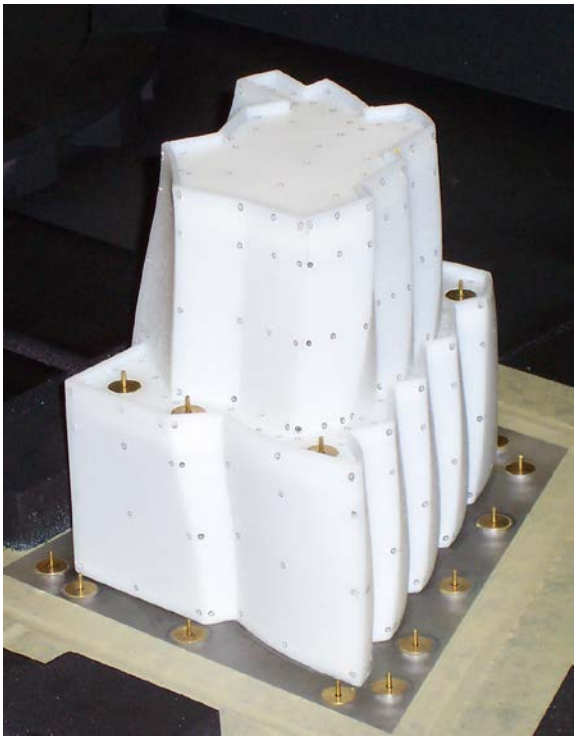
InterActiveCorp Headquarters (IAC Building), New York City, NY, USA

Wind Engineering Study

Image Credit: Albert Vecerka/ESTO Photographics



Client	Structural Engineer	Architect
Georgetown 19th Street Development LLC	DeSimone Consulting Engineers	Gehry Partners, LLC Adamson Associates
Height	**Year Tested**	**Model Scale**
154 feet	2003	1:300

The Project

The InterActiveCorp Headquarters (IAC Building) in New York City consists of a 10-storey building with a terrace level. The site is located in the Chelsea District of Manhattan, east of 11th Avenue and between W. 18th and W. 19th Street.

The office building has approximately 130,000 usable square feet. Many of the concrete supporting columns are sloped and angled due to the shape of the façade. Over 90% of the exterior glass panels have unique shape and curvature. Glass panels were cold-warped on site.

The Wind Tunnel Studies

The wind engineering studies for the IAC Building included a study of the local cladding pressure loads and pedestrian level winds. Snow accumulation, snow loading and sliding-snow were also studied.

The study of wind-induced cladding pressures was carried out for 428 measurement locations distributed over the building.

The study of pedestrian level winds was conducted for 24 locations including seven on the terrace level.

The Boundary Layer Wind Tunnel Laboratory

Western

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