



Preconstruction Mockup Testing of Windows, Curtainwalls & Facades

The Best Way to Detect Design, Fabrication & Installation Deficiencies

The integrity of a building's envelope depends on the performance of its facade to ensure that it is designed properly and functions as required.



SERVICE SHEET

Intertek offers comprehensive pre-construction lab PMU mock-up testing facilities across the US, Canada, and China

By conducting testing on a pre-construction lab mock-up, you can make corrections and modifications prior to setting anything in stone, i.e., final jobsite construction. Discovery and resolution of potential problems without the costly expense and additional pressure of halting a project during construction as rarely does everything go right the first time.

With the world's largest mock-up facility, outdoor & indoor test chambers, and industry leading test equipment, no project is too big or too small. In addition to our experience testing AAMA, ASTM, ANSI, CSA, Miami-Dade and job specific specifications, we can develop customized test conditions to measure virtually any other performance attributes you desire.

We have the expertise to design and specify tests for a wide range of mock-ups and conditions, allowing us to serve a diverse set of clientele. Having worked with the world's most prestigious architects, façade consultants, glazing contractors, façade manufacturers/fabricators, and construction firms, we have earned the trust to provide them with the insight necessary to validate façade performance.

PMU Testing

Our PMU testing lab allows you to confidently verify that your building's exterior wall system will meet both performance standards and specific project requirements. By creating a full-scale mock-up, we can rigorously assess your design's compatibility with proposed construction details.

With extensive expertise in designing and executing tests for a wide range of mock-ups and conditions, we cater to diverse client needs. Our collaboration with the world's leading architects and construction firms equips us with unparalleled knowledge to deliver exceptional results. earned the trust to provide them with the insight necessary to validate curtain wall performance. With a state-of-the-art indoor lab located in the Pacific Northwest in Kent, WA, we are prepared for your next project.

Intertek offers the most comprehensive mock-up and curtain wall testing capabilities in North America. Beyond testing, our specialized services streamline your project, ensuring it meets the highest standards of quality and performance.

Where Have We Been?

Validate the performance and integrity of your exterior façades and feel assured that with over 1,300 Lab PMU's tested Since 1974 we have the industry track record and expertise you want.

Projects:

- Metropolis
- Metropolitan Museum of Art
- Cleveland Health Education Campus
- Vanderbilt University
- CHOP Ambulatory Care Center
- CHOP SARB
- Penn First
- 760 Madison Avenue
- Golden State Warrior Arena
- John Hopkins University
- 11 Times Square
- South Shore University Hospital
- Hong Kong Airport
- JFK Terminal 1 and 6
- Hudson Yards
- BWI Concourse A Expansion
- NASA Langley Research Center
- National Gallery of Art – East Building
- World Trade Center Transportation Hub
- Stanford University Medical Center
- Smithsonian NMAAHC
- 270 Park Avenue
- Rutgers Cancer Institute
- Halletts Point





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Products Tested:

- EIFS
- Standard Curtain Walls
- Masonry Walls
- Unitized Curtain Walls
- MCM/ACM Panel Facades
- Project Specific Systems
- Rain Screens
- Sloped Glazing
- Skylight Systems
- Windows
- Doors
- Roofing

Product Expertise:

- Acoustics
- Air infiltration
- Condensation
- Dynamic seismic performance (horizontal/vertical)
- Water Resistance (Static & Dynamic)
- Sealant and gasket durability
- Security vulnerability
- Structural (wind)loading
- Thermal cycling
- Windborne Debris
- Serviceability

Test Methods

ASTM E283
ASTM E330
ASTM E331
AAMA 501.1
AAMA 501
AAMA 501.4
AAMA 501.5
AAMA 501.7

Standard Test Methods

Acoustical Performance
Air, Water, and Structural Performance
Condensation
Dynamic Seismic Performance
Fire
Impact Safety
Interstory Displacement
Sealant and Gasket Durability
Security Vulnerability
Thermal Performance

The integrity of a building envelope depends on the performance of its facade.

To ensure that it is designed properly and functions as required, per local codes and building specifications, Intertek offers comprehensive mock-up testing facilities across the US, Canada, and China.



With the expertise to design and specify tests for a wide range of mock-ups and conditions, and having worked with the world's most prestigious architects, consultants, glazing contractors and construction firms, Intertek has earned the trust to provide the insight necessary to validate mock-up performance.

