A dynamic defense for earthquake-prone zones

Withstanding the seismic forces on buildings is one of the major drivers in the construction industry and has recently become part of regular structural engineering practice, even in regions that are not prone to earthquakes.

As a pioneering manufacturer of architectural aluminum systems, we invest in the most up-to-date seismic testing to industry standards.

The AAMA 501.6 test determines the horizontal racking displacement amplitude of the exterior wall system, that would cause glass fallout within a controlled environment.

Our products have also been tested to the AAMA 501.4 standard. AAMA 501.4 provides an evaluation in the serviceability performance of windows, window wall, curtain wall and storefront systems when subjected to a quantified horizontal displacement in the plane of the wall.

Kawneer's products have been tested to both standards and allow architects and building designers to evaluate these products for use in seismic-prone zones. This level of test data creates structures that provide a high level of occupant protection.

The following Kawneer curtain wall, window wall and storefront framing systems have been successfully tested to the new AAMA 501.6 seismic test standard:

- Clearwall®SSI
- Clearwall®SSIT
- 1600 Wall System®1
- 1600 Wall System®2
- 1600UT System™1
- 1600UT System™2
- 1620UT
- 1620UT SSG
- 2500 UT SSG
- 2500UT SGT Unitwall®
- MetroView® FG 501T Window Wall
- MetroView® FG 601T PG Window Wall
- Trifab® VersaGlaze® 451/451T Framing System Pre-Glaze
- Trifab® 451UT Framing System Pre-Glaze

For architects and building designers who are selecting the ultimate curtain wall system to meet seismic zone requirements, look for products that meet both the elastic drift requirement as per the AAMA 501.4 test and the glass fallout drift determined by the AAMA 501.6 test method.

Kawneer continues to champion product innovation and testing to deliver value-engineered solutions for the resilient architectural designs of tomorrow.

Contact our Architectural Services Team (AST) for more information.

Form Number 19-2339.A

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Building Legacies

KAWNEER