

CERTIFICATION

2014-1



VidaSystem™
– Structural glazing

Modern design with approved safety

VidaSystem – Structural glazing



Now you can finally combine modern design with approved safety standards. When you choose VidaSystem, you are guaranteed low maintenance costs for many years to come.

We are pleased to present the successful test results of our VidaSystem structural glazing system. Performed by Wintech Engineering Ltd in the UK, an independent UKAS accredited laboratory, the test reveals that VidaSystem is suited to the strict curtain walls requirements.

The test involves most system combinations, including aluminum, steel and glass structural frames, as well as two-sided or four-sided structural glazing.

Our system successfully passed and exhibited excellent results for weather tightness requirements including air permeability, water penetration, air pressure and resistance to mechanical impacts.

VidaSystem not only allows you to create modern, custom-designed façades but also offers excellent technical features and performance.



Air permeability and wind resistance

Air permeability and wind resistance were tested by exposing VidaSystem to gradually increasing positive and negative air pressure induced under both static and dynamic conditions. Using a wind generator and an airtight chamber, our sample façade was subject to a range of air pulses and pressure differentials measuring 660, 1200, 2400 and finally, 3600 Pa. The sample façade was inspected after each pressure differential to evaluate the safety of the façade. Test results revealed no leakage, deformation or damage which, according to BS EN 12152:2002 gives us a Class A4 classification.



R7

Watertightness

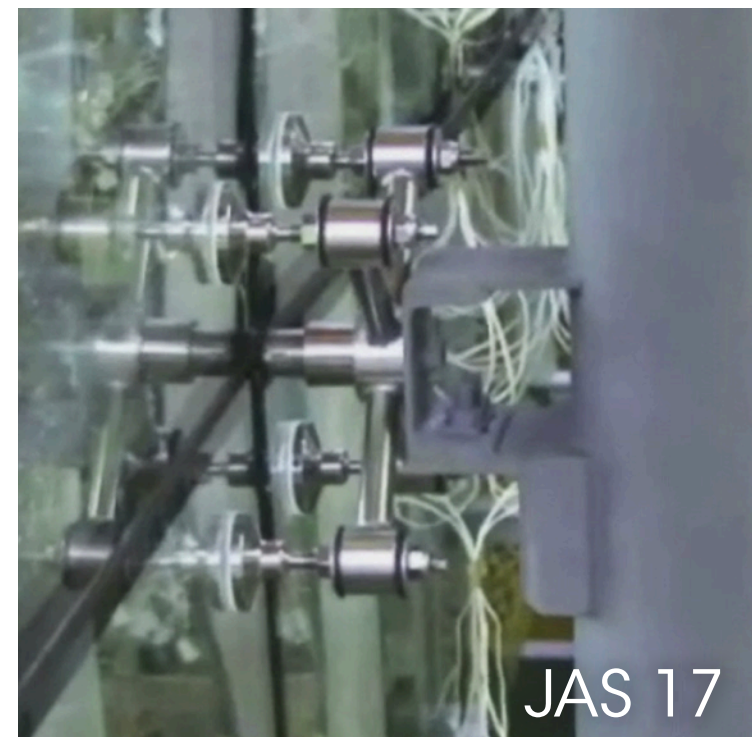
While testing for air permeability and wind resistance, our sample façade was sprayed so that the entire façade was covered in water. This combination of pulsating air pressure and water spray produced no evidence of water leakages on VidaSystem's test facade, resulting in a Class R7 classification in line with the BS EN 12154:2000 standard.



E5 & I5

Resistance to mechanical impact

After successfully passing the previous phases, our sample façade was tested for resistance to mechanical impact. Impact was simulated by dropping a 50-kilo weight from a height of 950 mm onto the façade. This was repeated at several select impact points. When this final phase was completed, results showed that VidaSystem withstood these impacts well, which gives us Class E5 and Class I5 classification in line with the BS EN 13049:2003 standard.



JAS 17

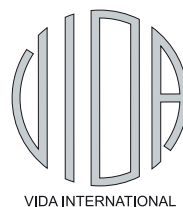
Earthquake test

VidaSystem has also been tested for earthquake safety. The test is performed in accordance with the rigorous Japanese standard, JAS 17. VidaSystem was approved with a good margin and can therefore be recommended for areas with a history of seismic activity or where there is a risk for large vibrations or settings.

VidaSystem™

VidaSystem™ is a patented structural glazing system for modern insulated glass facades and glass roofs. VidaSystem™ enables you to create an exclusive, hi-tech design, incorporating solutions that help you to realize your glass construction visions.

Please contact us for system solutions.



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