



INTRODUCTION

The destruction caused by Hurricane Andrew brought about drastic changes to the South Florida Building Code. The need for technologically advanced testing facilities followed. Hurricane Engineering & Testing, Inc. started in 1993 and was the first fully operational testing facility approved by Miami-Dade County for the testing of building products and materials certification.

CERTIFICATION AND ACCREDITATION

Hurricane Engineering & Testing, Inc. (HETI) tests materials, building products, mechanical systems and construction materials to meet with international, national, and Florida building code requirements. HETI specifically meets Miami-Dade County requirements, which are the most comprehensive in the world when it comes to hurricane protection.

Miami-Dade and Broward counties lie in the Special Hurricane Ally designated as **High Velocity Hurricane Zones** (HVHZs) under Florida Building Code to address intensity and frequency of adverse conditions observed during a Hurricane. HETI has an excellent track record when it comes to the field performance of products it has tested since inception in 1993.

In order to ensure that HETI tested building products satisfy the most stringent building codes, we continually emphasize quality control in our testing systems and methods. HETI is an **ISO 17025-05 Certified Testing facility** accredited by the *International Accreditation Service* (IAS), the Florida Department of Community Affairs (the Florida Building Code), the *Building Code Compliance of Miami-Dade County Florida*, Keystone Certifications, Texas Department of Insurance (TDI) and the National Accreditation and Management Institute (NAMI).



ACCREDITED



IAS and **Miami-Dade** are two of the most stringent accreditation agencies for testing facilities in the field of Fenestration products and Building Materials. HETI performs tests which comply with American Society for Testing and Materials (ASTM), DASMA, Miami-Dade, Factory Mutual, AAMA and Florida Building Code (TAS) test standards.

RELIABLE DATA FOR PROPER EVALUATION

At HETI, we view attaining compliance with standards as a task that requires collaboration from both the manufacturer and the testing laboratory. Hence, when products are not meeting the requirements of the standard(s), HETI's sophisticated testing infrastructure comes to the rescue. We can analyze and test the subsystem to determine the root cause of the problem. This knowledge and infrastructure has made HETI a premier **Risk Assessment** provider in the field of Hurricane loss prevention.

TEST STANDARDS

ASTM C140, ASTM C39, ASTM C90, ASTM D1761, ASTM D1929, ASTM D2843, ASTM D635, ASTM D638, ASTM D2240-05 (2010), ASTM E1512, ASTM E1592, ASTM E1886, ASTM E290, ASTM E488, ASTM E529, ASTM E695, ASTM E72, ASTM E754, ASTM E8, ASTM E9, ASTM E987, ASTM F588, AAMA 1303.5, AC01, AC04, AC193, AC308, ANSI AAAMA 101/1.S.2/AA440-05, ANSI Z97.1, ASTM E136, ASTM E196, ASTM E1996, ASTM E330, ASTM E331, ASTM E547, ASTM E997, ASTM F842, ASTM G151, ASTM G155, ASTM G85, PA201, PA202, PA203, TAS 114 Appendix E, TAS 114 Appendix G/FM 4471, TAS 201, TAS 202, TAS 203, TPI 1-95.



TESTING SOLUTIONS

- **Building Products**
 - Structural Wind Load Test
 - Uniform Static Air Pressure Test
 - Air & Water Infiltration Test
 - Large, Small Missile Impact Test, and Cyclic Wind Pressure Test
 - Racking, Tension, and Compression Tests of Panels
 - Beams and Column Testing
 - Vibration and Seismic Testing
 - Gravity Load Testing
- **Material Testing**
 - Tensile, and Compression Test
 - Bend Test of Rebar
 - Rockwell and Ultrasonic Hardness Testing
 - Micro and Superficial Hardness Testing
 - Compression Test of Concrete, Rock, Stone, Bricks and Pavers
 - Moisture Content Determination
 - Mechanical Properties of Rubber and Plastics
 - Physical Properties of Wood
 - Fabric & Yarn Testing
 - Weatherstrip and Gasket Testing
- **Non-Destructive Testing**
 - Coating Thickness Analysis
 - Ultrasonic Flaw Detection (UT)
 - Crack & Flaw Detection
 - Crack Depth Measurement
 - Conductivity Measurement (%IACS)
 - Ultrasonic Thickness Measurement
 - Composite De-lamination Inspection
 - Microscopic & Spectroscopic Analysis
- **Fasteners and Connector Testing**
 - Fastener, Anchor, Connectors, and Ties Tests
 - Mechanical fastener testing in Cracked and Uncracked Concrete
 - Adhesive fastener testing in Cracked and Uncracked Concrete
- **Environmental Testing**
 - Accelerated UV Weathering (QUV & Xenon Arc)
 - Outdoor Weathering for UV, rain, condensation, Paint Testing
 - Sound & Light Transmission Studies
 - Salt Spray G85
- **Fire Testing**
 - Self-Ignition, Rate of Burn, and Smoke Density Tests.
- *Additional standard and custom tests can be performed with customer agreement.*