



CPFilms has successfully tested and passed Dade County Protocols PA-201, PA-202, and PA-203 using test samples protected by LLumar Magnum Safety/Security Film.

The 3/16 inch thick tempered glass samples were installed in standard aluminum storefront frames. LLumar Magnum 8 mil film was installed on one side of the glass, and the film attached to the frames using the LLumar Edge Grip Attachment System.

Other details of these tests are contained in the complete test report from the Hurricane Test Laboratory, dated May 1, 2001 (see [www.llumartech.com](http://www.llumartech.com)).

In summary, we achieved the following impressive results:

- Successfully completing testing requirements for Dade County Protocol PA-201 (Small Missile Impact Test) using 2g steel ball bearings at 130 feet per second (81 mph). Impact was to the glass side (or exterior) side of the samples.
- Following Small Missile Impact testing, multiple units were tested under Dade County Protocol PA-203 (Cyclic Wind Pressure Loading) at a maximum pressure of 53 pounds per square foot (equivalent to a wind speed of 144 mph). All test samples successfully completed this protocol, indicating significant resistance to air and water infiltration under sustained hurricane force winds.
- Passed testing requirements for Dade County Protocol PA-202 (Non-Impact Uniform Static Air Pressure Test for Air and Water Infiltration). Testing was performed to a level of 66 pounds per square foot (equivalent to a wind load of 160 mph wind) with no air or water infiltration.

**This testing DOES NOT indicate that our film is Dade County approved.** Only complete window systems, including details such as the frame type and method of securing the frame to the building can obtain approval. However, this testing clearly indicates that LLumar Magnum film, when used in conjunction with the LLumar Edge Grip Attachment System, offers significant protection from property damage in the event of a wind storm or hurricane.