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MGM INDUSTRIES' IMPACT RESISTANT WINDOWS RECEIVE DP50 RATING

MGM Industries' 8065 double hung and 5665 single hung vinyl windows passed impact testing this month, meeting the stringent building code requirements for Gulf and coastal regions to "wind zone 4".

Both windows received a design pressure rating (DP) of 50 from Certified Testing Laboratories, in Orlando, Fla., after meeting the ASTM 1886-05 impact and ASTM 1996-05 cycle specifications. Each window was 36" x 84" – the largest size operable vinyl window to pass at the CTL facility.

To meet "wind zone 4" specifications, the windows were subjected, twice, to a two- part test. The first part of the test consisted of impacting each window with a 2 x 4 piece of lumber, shot from an air cannon. The second part of the test subjected each window to 9,000 cycles of a vacuum load – all to simulate the wind force and debris impact caused by a hurricane and other sever weather. Extreme storm tests on residential windows and doors simulate 150 mph category 5 hurricane winds after the windows are slammed with the airborne 2 X 4. Standard single hung "tilt-in" windows will collapse, while the MGM 8065 & 5665 windows passed the tests. Failures in standard sash mounting hardware or glass contribute to extended damage, by allowing hurricane rain and wind to enter the home.

"These windows, along with our other impact resistant windows and doors, will enable us to service customers who are right on the coast," said Joe Gaskins, vice president of sales.

MGM selected heavy duty, custom tilt latches from Hill Design Products (HDP), which utilize the hardware manufacturer's patented method of making a supporting connection between the sash and window frame, greatly improving sash integrity. Engineering grade materials were used by HDP to manufacture components that were custom sized to suit the sturdy MGM sash and frames.

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Coordination with the MGM staff resulted in hardware that withstands Hurricane Impact Approved levels as well as an aesthetically pleasing appearance for the interior of the home.

MGM Industries manufactures a complete line of impact resistant vinyl windows and doors under the name MGM WindStrong. For complete specifications on the 8065 and the 5665, call 1.800.476.5584.

Founded in 1965 in Hendersonville, Tenn., MGM Industries extrudes and assembles a wide range of custom and standard sized vinyl windows, sliding patio and swing doors for new home construction and replacement use. Still a family owned business, MGM employs 150 people. For more information visit them online at www.MgmIndustries.com.

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