

Wind Load Rated

COMMERCIAL | RESIDENTIAL



Wind Load Ratings help meet building code requirements in areas that experience high wind events.

The most common building code requirement that ArmRLite deals with for reinforced overhead doors are projects requiring wind load testing. Wind load ratings, measured in pounds per square foot (PSF) or Miles per Hour (mph), reflect the amount of wind pressure or speed a sectional door can withstand before failure. This type of code requirement is important for areas of the country that experience high wind events (hurricane activity) like North and South Carolina, Georgia, Texas, Louisiana, Alabama, and Mississippi.

For the garage door industry, a wind load garage door is assembled, designed and tested to meet a specific wind load value. Typically, garage door manufacturers will have a specific model tested for door impact ratings and can provide wind load rating data on that model based on the size of the overhead door. The smaller the garage door is, the better the wind load value available due to the smaller amount of surface area subject to wind pressure. If your garage door is wind loaded at 20PSF, you are covered for any PSF rating up to a maximum of 20PSF.

While the maximum wind load a product can withstand varies by size, ArmRLite can offer wind loading up to 180mph to protect homes and buildings in hurricane prone, high wind regions. Hurricane rated garage doors for high winds and high pressure can provide the highest level of protection for your situation and geographic region. If you need help identifying which wind load zone you fall into, we're here to help!

Wind Load Rated



FLORIDA BUILDING CODE (FBC) APPROVAL

ArmRLite Door Manufacturing currently has FBC approvals for our wind loaded Custom CI Model overhead sectional door for select areas of Florida. Coverage area includes the cities of Tallahassee, Jacksonville, and Orlando. The wind loaded Custom CI can be manufactured max 27'-0" wide and can meet wind load values of 140MPH. While Impact rated glass is an option available on the Custom CI, please note that impact glass alone will not meet assembly impact testing requirements for South Florida. It is available in a number of custom options, ranging from different glass glazing options to a variety of finishes.

Additional Details:

- Florida Product Approval Number: FL32416
- 2017 FBC Approved
- Wind Load Rated (Non-Impact)
- ASTM E330
- Manufactured under a Quality Assurance Program audited by independent third party inspection agency (NAMI)

Depending on your local code, an ArmRLite high impact door can provide you with the strongest wind load sectional door options for your home or business. If you're not sure what you need in a wind loaded door or if you are having trouble locating a wind rated garage door that meets your requirements, we encourage you to contact us with questions.



The Florida approval applies to the large portion of the state in red on the map. This includes the following counties: Alachua, Baker, Bradford, Calhoun, Clay, Columbia, Dixie, Franklin, Gadsden, Gilchrist, Hamilton, Holmes, Jackson, Jefferson, Lafayette, Lake, Leon, Liberty, Madison, Marion, Nassau, Polk, Putnam, Seminole, Sumter, Suwannee, Taylor, Union, Wakulla, and Washington, as well as parts of Bay, Citrus, Flagler, Gulf, Hardee, Hernando, Highlands, Hillsborough, Levy, Oka Loosa, Okeechobee, Orange, Osceola, Pasco, St. Johns, Volusia, and Walton. The Florida approval code does not apply to the HVHZ (High Velocity Hurricane Zones), all of which are in gray on the map. ArmRLite's Custom CI Model does not meet the impact testing requirements for Miami Dade NOA at this time and will not meet FBC requirements outside of the red shaded area on the map. Please note it is not impact tested.