Phoenicia Impact glass is resistant to hurricanes and extreme weather. This glass is a laminated glass, with a combination of glass layers bonded with PVB (plastic polymer layer) suited to withstand extreme weather threats that exist in different climatic zones around the world.

To withstand the strong wind that blows during the storm, the structure must remain sealed, so that the wind will be forced to move around it and not through it, which can cause great damage. Strong wind blows objects, like roof shingles, planks, trees and even parts of buildings that the storm had dismantled along its way. These objects are called "missiles", because like missiles, they are airborne and can damage the structure and its integrity. There is a very high probability that high-speed wind-borne debris “missiles” will hit the glass, damage the structure, penetrate and destroy its structure. The wind penetrating through the glass will apply pressure inside the building that could even lead to its total destruction.

Glazing with Phoenicia Impact glass ensures that even in the case of multiple hits of “missiles” propelled by high-speed winds, the glass will continue to stand as one block and the sealing of the structure will remain intact.

Phoenicia Impact glass ensures quiet even during storms. Different climatic zones are characterized by different wind intensities, so there are differences in the type of threats that can damage the glass. In selecting the appropriate type of Phoenicia Impact glass, one must consider the location of the building in relation to the danger zones and the height of the glazed window from the ground. These variables affect the type and composition of Phoenicia Impact glass.
The map indicates that the southeast areas of the coastline are exposed to winds moving up to 150 MPH (about 240 km / h). In accordance with the requirements of the American Standard ASTM E 1996 (relevant to this region), the glass should withstand large “missiles” (such as timber weighing 5 kg) that hit the glass at a speed of 88 km / h. It should also withstand variable cycling wind loads.

**PHOENICIA**

Meets the regulatory requirements of ASTM E1996 (U.S.) and additional strict requirements of international standards. It is constantly inspected by international testing institutes that conduct a testing process in which a massive timber hits a window several times without penetrating the glass. Hundreds of windows across the United States have been installed using Phoenicia Impact glass, specifically Hurricane resistant glass and have withstood all the challenges of the latest storms.

**Glazing with PHOENICIA IMPACT** offers additional benefits, such as filtering out more than 99% of harmful UV radiation that causes skin diseases and fading to fabrics and furniture, improved acoustic filtering compared to monolithic glass. In addition, Phoenicia Impact glass is also available in a variety of different colors, so in addition to its durability, one can also provide the structure with a design statement using colors and improved shading capabilities.

To ensure that the Phoenicia glass application complies with all applicable laws, regulations, standards, codes of practice and other requirements, it is recommended that the Phoenicia glass processor consult with a qualified Phoenicia consultant regarding the instructions for processing, such as how to successfully store, handle, process and install Phoenicia glass. Instructions can be obtained directly from Phoenicia.

**Clarification:** The information presented in this publication is a general description of the product and Phoenicia will not be responsible for any inaccuracies or omissions in this publication and any implications of adherence thereto. This liability is imposed on those who use the information.