

Hammerhead™: Aversana at Hammock Bay Condominiums, Naples Florida



HAMMERHEAD ALUMINUM FLOOD PLANKS

Introduction:

Aversana at Hammock Bay Condominiums, situated in Naples, Florida, is a luxurious residential complex known for its stunning views of McIlvane Bay, the Ten Thousand Islands, and Marco Island sunsets. In 2004, the community was established as one of three luxury towers at the Hammock Bay Golf & Country Club. However, in 2022, Aversana faced a significant challenge when Hurricane Ian, one of the most powerful storms ever recorded in the United States, devastated southwest Florida. This natural disaster caused extensive damage to the lower levels of the building, including elevator shafts and vital utilities. To safeguard against future flood events, Aversana conducted extensive research on rapidly deployable flood barrier systems and selected Garrison Systems' Hammerhead™ aluminum flood log system.

The Challenge: Hurricane Ian and Flood Damage

Hurricane Ian made landfall in southwest Florida, resulting in severe flooding and power outages affecting over a million people. The Aversana community was not spared from the destruction, as the floodwaters damaged the lower levels of the condominium building. The flooding disrupted essential utilities and elevator shafts, necessitating extensive repairs to restore normalcy to the complex.

The Solution: Garrison Systems' Hammerhead™ Flood Log System

Aversana embarked on a search for a flood protection system that could be rapidly deployed to safeguard their property from future flood events. After careful evaluation of available options, they chose Garrison Systems' Hammerhead™ aluminum flood log system for its effectiveness, durability, and ease of deployment.

Customized Flood Barriers for Precise Protection

Garrison Systems' team collaborated with the management of Aversana to ensure the flood barriers were tailored to the specific dimensions required for optimal flood protection. On-site measurements were taken, and the height necessary for the flood barriers was determined. Garrison then custom fabricated aluminum flood barriers to fit the exact opening sizes, ensuring a precise and secure fit.

CASE STUDY: Hammerhead™ | Aversana at Hammock Bay Condominiums



Efficient Deployment and Compact Storage

One of the key advantages of the Hammerhead™ flood log system is its rapid deployment capability. The system is designed to be easily deployed by a single person, making it highly efficient for emergency situations. Flood planks are inserted into U-shaped channels and securely tightened against rubber seals, creating a robust and leak-resistant barrier. Additionally, when not in use, the Hammerhead™ system can be compactly stored, minimizing space requirements and allowing for convenient access when needed.

Rigorous Testing and Proven Reliability

Garrison Systems' Hammerhead™ flood log system underwent extensive testing to ensure its effectiveness. Computer simulations using Finite Element Analysis (FEA) and Computational Fluid Dynamics (CFD) testing were conducted to validate its performance. The system was designed to withstand the types of flooding that a building like Aversana might encounter during severe weather events, such as Hurricane Ian.

Efficient Installation with In-Wall Anchors

Garrison Systems' installation team completed the installation of the Hammerhead™ flood log system at Aversana in just two days. In-wall anchors were installed to allow for the easy removal of the barrier posts when they were not in use. This installation method ensured that the flood protection system seamlessly integrated with the condominium's infrastructure without disrupting its aesthetics.

Result: Enhanced Flood Protection and Peace of Mind

Thanks to the deployment of Garrison Systems' Hammerhead™ flood log system, Aversana at Hammock Bay Condominiums is now well-prepared and protected against future flood events. This proactive approach has instilled confidence in both management and residents that their building will remain safe during hurricanes and other severe weather events, similar to the devastating Hurricane Ian.

Conclusion

The successful installation of Garrison Systems' Hammerhead™ flood log system at Aversana exemplifies the importance of proactive flood protection measures for communities located in hurricane-prone regions. The customized, efficient, and rigorously tested flood barrier system provides Aversana with a reliable defense against the destructive forces of nature, ensuring the safety and security of its residents. This case study serves as a testament to the effectiveness of Garrison Systems' flood protection solutions in safeguarding valuable properties and lives.

Sources:

[NY Times](#)
[CNN](#)
[USA Today](#)
[WPTV](#)
[FEMA Flood Map](#)
[John R. Wood Properties](#)

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