



heroal hurricane protection systems



The force of nature has met its match

Every year, tropical wind storms emerge in the Atlantic Ocean between the beginning of June and the end of November. Thankfully, most of them are harmless but some achieve highly destructive wind speeds. When devastating storms hit vastly populated areas at the coasts of South Florida, Georgia, South Carolina and Texas, the consequences can be disastrous.

In 1992, Hurricane Andrew hit Florida, causing an estimated \$25 billion in damage. In the aftermath of the storm it became clear that wind zone levels were insufficient, the existing standards had been disregarded and existing codes were not being enforced. Consequently, adjusted missile impact test standards were put in place and more stringent building codes in South Florida have been established, which are nowadays the highest standards not only in South Florida but also in the whole country.

Properties that are regularly exposed to the destructive forces of hurricanes have led us to develop our unique hurricane protection systems, offering premium protection for windows, doors and other openings.



Konrad Kaiser
Company director/CEO



Tested quality for a protected home

As the leading developer and manufacturer of high quality and innovative aluminum systems, heroal sets a new and unique standard for hurricane and impact protection worldwide.

The use of our select profile geometry and foam insulation, combined with the durable weather resistant qualities of aluminum and stainless steel materials, enables the heroal RS 53 RC 2 and heroal RS 53 RC 3 to achieve a cutting-edge performance.

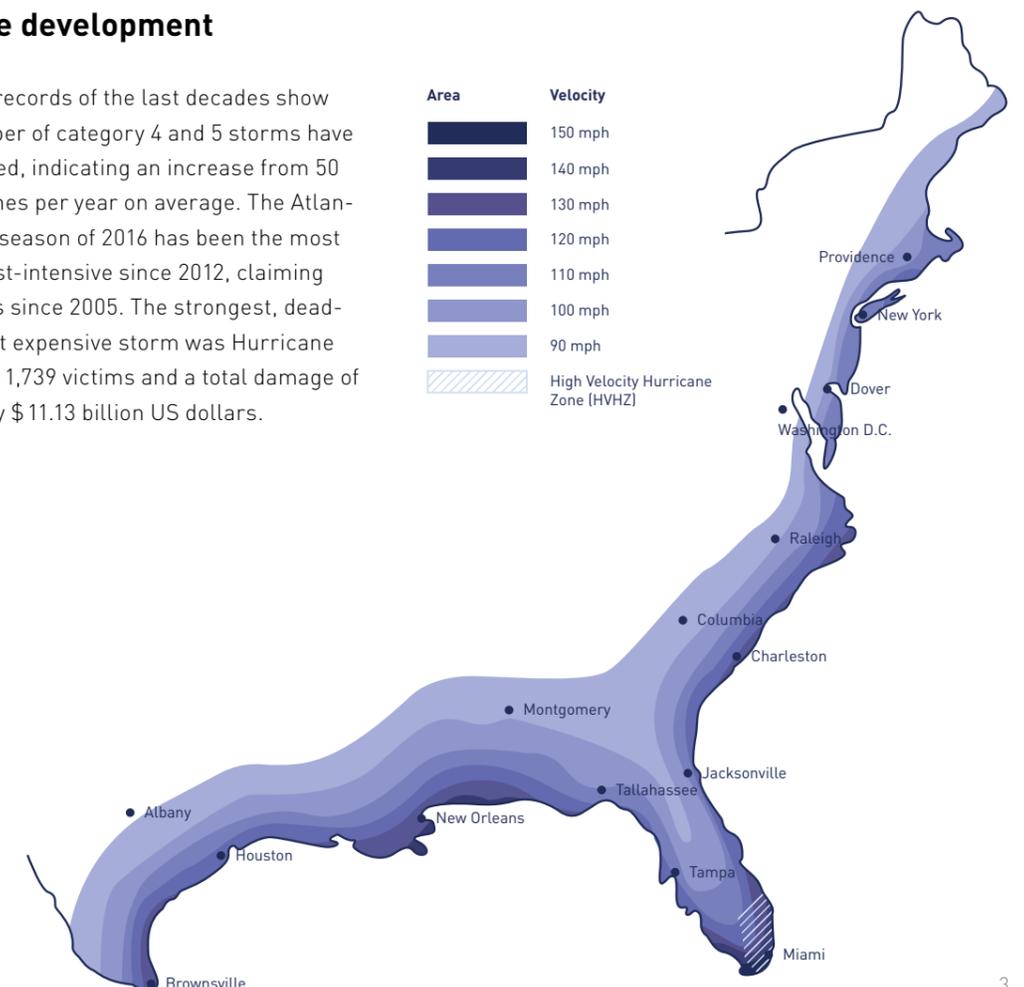
Both products of this series are Florida Building Code and Texas Department of Insurance approved for all hurricane areas.

Furthermore, heroal hurricane protection systems are certified to be installed in High Velocity Hurricane Zones (HVHZ). Our hurricane protection systems can be adapted to fit different types of windows and doors. Not only do our products provide the highest level of certified hurricane protection, they have also been developed with increasing energy efficiency, burglar resistance, design and environmental sustainability purposes.

One System – all the benefits of a protective roller shutter with no compromise on functionality and design.

Hurricane development

The satellite records of the last decades show that the number of category 4 and 5 storms have almost doubled, indicating an increase from 50 to 90 hurricanes per year on average. The Atlantic hurricane season of 2016 has been the most active and cost-intensive since 2012, claiming the most lives since 2005. The strongest, deadliest and most expensive storm was Hurricane Matthew with 1,739 victims and a total damage of approximately \$ 11.13 billion US dollars.



What makes heroal roller shutter systems special?



Sustainability

heroal roller shutter systems are real energy savers: The systems enable a comfortable room climate in hot summer months and minimize the use of air conditioning, whilst energy losses can be drastically reduced in cold winters.



Weather resistance

In regards to weather resistance, heroal products already meet tomorrow's demands today. The systems guarantee superior protection against storm and extreme weather influences.



Burglar resistance

Increased burglar protection with no trade-off on design – that is what heroal systems stand for. The system components are approved for several levels of security and burglar protection – to protect what is most valuable.



Noise protection

Due to the double-wall, foam-filled roller shutter slats, heroal systems provide a high level of sound proofing and noise reduction.



Surface

heroal's long lasting surface coating exceeds international quality standards. The 2-layer thick coating and the hwr powder coating offer a robust and weather resistant solution, in a wide variety of color options, to meet diverse requirements and styles. Take also advantage from our unique stainless steel selection for a finish of special kind.



Winding technology

Through its innovative slat geometry, the winding mechanism leads to a tightly packed diameter offering a flexible and aesthetically pleasing solution. heroal systems can be combined with the smallest box sizes without compromising quality.



Quality "Made in Germany"

German engineering at its best – heroal develops and manufactures exclusively in Germany. All heroal systems are made of high-quality components, which ensure an unmatched level of resistance and durability.

Exclusive protection for essential buildings

Private residences are not the only places that need solid protection against the destructive forces of Mother Nature. Commercial properties or public buildings also require effective safeguarding to protect lives as well as important documents and equipment. At heroal, our exclusively manufactured category E rated system offers the solution to the need for increased security, without compromising the level of protection against severe weather conditions – a unique product in the roller shutter industry. The heroal RS 53 RC 3 ensures the highest level of protection. It has been officially tested and proven according to ASTM standards to suit a variety of locations, such as federal buildings, police stations, military bases, schools and hospitals – places which require a superior level of protection against destructive wind speeds, hail and also burglary.

Protection raised to the highest level of defense

This unique system consists of the highly robust roll-formed stainless steel slat heroal RS 53 RC 3 and the established guide rail, which are assembled with the reinforced box system. Apart from the confirmed outstanding hurricane protection, this system sets standards for break-in resistance and security among roller shutters. As a system on standby, reliable protection can be ensured at the press of a button at any time.

Be certain that once set up, this roller shutter protects against damages caused by extreme weather or intruders. With the heroal hurricane protection system for areas that require category E rated products, customers can experience the reliability of German engineering. Take advantage of a high level of protection and the unparalleled benefits of a foam-filled roller shutter slat, exclusively manufactured by heroal.



heroal hurricane protection system category E

Dependability in a straight line design approach

- highest level of hurricane protection possible
- exclusive provider of a roll-formed and foam-filled stainless steel slat
- premium-quality components to provide the next level of protection against all kinds of threats
- best protection for property and belongings

Category E – performance characteristics



Hurricane protection



Burglar resistance



Weather resistance



Surface



Winding technology



Noise protection



Sustainability

Optimal protection for private properties

Your home is unique – an expression of individual personality and a safe place for all residents to come together. Recent statistics highlight the need for residents to prepare their property for all kinds of impacts. It is important to not only prepare for a hurricane, but also for the times before and afterward. The unique heroal hurricane protection systems guarantee your privacy and also protect what is valuable to you, whilst drastically reducing the risk of burglary. With more than 50 years of experience in roller shutter products, heroal offers high-quality and a complete system to protect your home and your loved ones.

Aside from impact protection, a heroal hurricane protection system offers many additional benefits: German quality and refined technology combined with increased energy efficiency makes these systems a perfect add-on to your home and daily life. The installation of this product will increase the value of any property and create a unique design – just on its own.



heroal hurricane protection system category D

- the high-quality aluminum system
- tested and confirmed according to ASTM standards
- approved for all hurricane-prone areas
- standby-system – protection by the press of one button

Our system – your advantage

The combination of the reliable heroal standard safe slat RS 53 RC 2, the strengthened HVHZ guide rails and the well-proven GKSE end caps and panels has been tested and approved according to ASTM standards. The system does not only ensure superior protection against storms and all kinds of weather extremes but also against vandalism and break-ins.

Protection in its most beautiful form

- heroal high weather resistant (hwr) surface or 2-layer thick coating
- elegant protection shutters
- design feature for your home



heroal hurricane protection system category D

Category D – performance characteristics



Hurricane protection



Burglar resistance



Weather resistance



Surface



Winding technology



Noise protection



Sustainability

Wide range of design variations



17 – traffic white



18 – gray



20 – natural



22 – brown



31 – teak



32 – light beige



52 – black brown



39 – RAL

Subtleties are key

System and performance features

	heroal hurricane protection system category D	heroal hurricane protection system category E
Coverage width [mm in]	51 2.0	51 2.0
Max. width [mm ft]	3200 10.5	3200 10.5
Max. height [mm ft]	3048 10	3048 10
Max. area [m ² ft ²]	9.75 105	9.75 105
Weight [kg/m ² lb/ft ²]	10.5 2.15	18 3.69
Box sizes	205 8.1 and 300 11.8	205 8.1 and 300 11.8
Box system GKSE	•	•
Guide rails HVHZ	•	•

Design

heroal 2-layer thick coating	•	-
Stainless steel	-	•
High-density foam	•	•

Slat properties

Burglar resistance*	RC 2	RC 3
Hail class**	7	7
Wind resistance class***	6	6

Application areas

HVHZ****	•	•
Non-HVHZ	•	•

* According to EN 1627

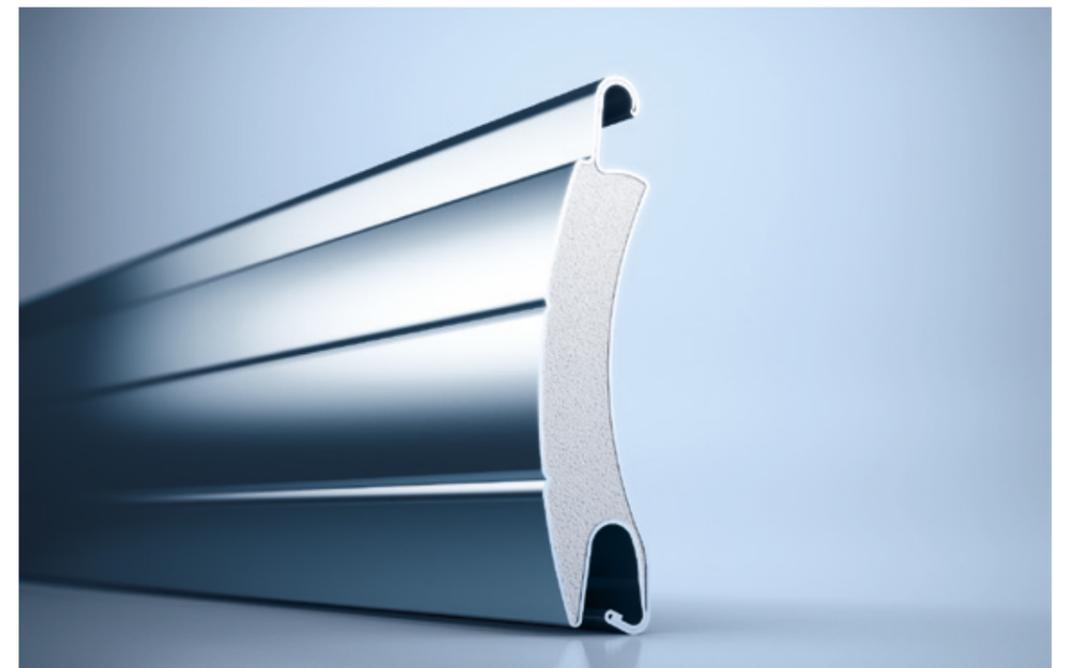
** Hail class according to VKF test stipulations no. 2 roller shutter, version 1.02. The value reflects the mechanical functional capability.

*** With 2700 mm element width and a guide rail with 25 mm immersion depth.

**** HVHZ stands for High Velocity Hurricane Zones and is part of the Florida Building Code. Miami Dade and Broward Counties are all designated as HVHZ.



heroal RS 53 RC 2



heroal RS 53 RC 3

Dealer print

Roller shutters | Sun protection | Roller doors | Service

heroal USA Inc.

7022 TPC Drive, Suite 100

Orlando, FL 32822

www.heroal.us

