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Follansbee Metal Roofs Outlast Florida Hurricanes

FOLLANSBEE, WV... Within the aftermath of Florida's Hurricane Charley is a persuasive demonstration of the most effective and durable roofing material in the industry – metal. Follansbee metal roofs stood up to the storms and proved to withstand even the severest battering.

“In 2002 we built our home in Boca Grande with a Follansbee [TCS II](#) roof that we chose specifically for its strong reliability and beautiful appearance,” says homeowner, Dr. George Milne. “We were less than 10-15 miles north of the eye of Hurricane Charley and our metal roof sustained zero damage. Many homes in the area were left with missing shingles and some without a roof at all. Our Follansbee roof performed exceedingly well, and the panel attachment delivered a much higher level of integrity for the product compared to other roofing materials.”

“Testing shows that Follansbee roofs offer superior corrosion resistance and wind uplift resistance, even in the harshest conditions,” explains Edward Thomas, Follansbee vice president and general manager. “Our traditional double-lock, standing seam, concealed fastener panel is a proven method of application used in areas prone to high winds and hurricanes. This method has been used in coastal applications for hundreds of years because it is not only water-proof, it is water-tight.”

Officials estimate that Hurricane Charley packed winds of up to 145 mph as it passed through the Boca Grande community and had intensified over several hours from a Category 2 storm into a raging Category 4.

“Nearby homes in several residential areas all had asphalt shingle or clay tile roofs that suffered extensive damage from Hurricane Charley,” continues Thomas. “Clay tiles are simply set in mortar – they are not fastened. In a hurricane zone, this type of material is completely impractical, not to mention that heavy clay tiles often become dangerous projectiles in a hurricane or tornado.”

Follansbee roofing materials were fabricated to resist the negative pressure and uplift loads as tested for the [SMACNA](#) (Sheet Metal and Air Condition Contractors National Association, Inc.). Follansbee's wind uplift resistance report showed no deformation or damage when a specially designed lift-off chamber was installed over the product and all structural test loads were applied from the exterior face of the panel. With the product set to perform in a negative mode, it was subjected to a negative load up to 150.0 mph per square footage, and then held for ten seconds. The blower/vacuum pumps reversed to perform in a positive mode up to 150.0 mph per square footage, and again held for ten seconds. No damage resulted from either test.

Follansbee's TCS II, an architectural stainless steel, is coated with Follansbee's new patented [ZT® \(zinc/tin\) alloy](#). The ZT alloy coating on TCS II is reactive to oxygen, forming an attractive gray surface oxide with exposure to the environment. TCS II provides enhanced corrosion resistance, formability, solderability and durability.

“Our product is proven in tests and in real life environments,” adds Thomas. “This season's hurricanes in the Florida area demonstrate our roof's ability to withstand even the most extreme circumstances.”

“Our patented ZT alloy is one of the keys to the durability and longevity of our roofs,” Thomas continues. “We've employed years of independent testing to develop an alloy that could protect our roofs in any environment, including coastal settings. A product such as TCS II creates the much desired combination of beauty, durability and safety.”

Princeton, NJ, based CUH2A served as the architect on the Milne home project and Bradco Supply, FL, as the distributor.

“As a Florida homeowner, I am absolutely delighted with the results of our Follansbee roof,” adds Milne. “Seeing the severe damage to homes in the area, I am greatly relieved that the architect recommended Follansbee for our home. I'm told CUH2A had worked with Follansbee over many years and was aware of the performance and aesthetics advantages that TCS II offers.”

Follansbee offers 9 preformed profiles for metal roofing, including 6 standing seam profiles. But the highly versatile TCS II can be tailored into a variety of design forms, from the traditional standing seam roof to a vertical wall, barrel

applications, shingles and customized sections in flat or spherical shapes. TCS II is solderable and virtually maintenance-free.

Follansbee Steel offers a wide range of metal roofing products for commercial and residential construction including [Terne II®](#), [KlassicKolors®](#) and TCS II®. Founded in the early 1800's, the Follansbee, WV, company has been manufacturing in its current location for more than 100 years. Modern alloys developed and patented by Follansbee have taken the original tin roof to new heights of performance and longevity. For more information call 1-800-624-6906 or visit www.follansbeeroofing.com.