

Beautiful, lifetime longevity, *and* incredibly rugged

# A HailFire™ roof protects against weather and climate conditions better than any other roof.



- Genuine Vermont slate—a natural, stronger alternative to synthetics
- ASTM-S1
- FM 4473 Class 4
- Miami-Dade approved
- 40% less weight
- Walkable once installed
- Reduced weight makes HailFire perfect for cedar shake replacement



HailFire™ is 100% fireproof



HailFire™ earned the best hail rating : Class 4



HailFire™ is Miami-Dade approved for hurricane zones

## Unsurpassed performance in roofing by every measure

HailFire™ roof performance goes well beyond its well-deserved, highest industry ratings — qualifications that other materials might just barely meet. The natural physical characteristics of Vermont slate is the basis of a HailFire roof. Only natural stone could provide these benefits:

- **Superior impact resistance:** The rigidity and density of Greenstone HailFire™ slate gives it extraordinary resistance to hail. The Greenstone Vermont slate used in HailFire (see back panel) has been lab tested to repel 2-inch hail weighing 0.3 lbs traveling 120MPH! The tests resulted in a Class 4, FM 4473 impact tolerance rating—the best rating there is!
- **100% fireproof:** It's just a fact: Slate is stone. It simply does not burn.
- **The 100-year roof!** Beyond the prestigious ASTM S-1, 75-year life expectancy rating, the slate in a HailFire roof is backed by **Greenstone's 100-year warranty.**
- **Waterproof:** Greenstone HailFire slates are virtually impervious to water.
- **Unaffected by temperature extremes and moisture:** From the hot southern summer sun to the coldest day of a northern winter, a HailFire roof will not appreciably expand, contract, warp, discolor (other than natural weathering of some colors) or be otherwise affected.

## Genuine Vermont S-1 slate combined with cutting-edge installation techniques and materials

- **Extended protection built-in:** A HailFire™ roof has an additional layer of protection because it is installed using the patented SlateTec™ installation system. SlateTec's "interlayment" layer under the slate protects the integrity of the deck even if a slate is damaged or missing.  
  
**Independent lab tests** confirm that the SlateTec interlayment as a stand-alone material achieves Class 3 testing. In addition, SlateTec interlayment "cushions" the slate, enhancing the slate's impact resistance.
- **40% less weight:** A HailFire™ slate roof weighs less—not because the slate itself weighs less — *because it uses less slate!* The SlateTec™ installation system makes this possible because SlateTec's interlayment reduces the amount of overlap (technically known as headlap) that traditional slate installations require. Therefore less slate is required, reducing the overall weight of the roof compared to a traditional slate installation.



**GREENSTONE SLATE®**  
Vermont Architectural Roofing Slate

# HailFire™ Elegant Roof. Superior Protection.

Slate is not only rugged, it is considered one of the world's most beautiful roofs. Slate's extended life expectancy and durability creates an overall low cost of ownership. That's why it is frequently the choice for fine residences but also for institutional applications such as college, church and government buildings.

## More HailFire benefits

- Its density provides an insulating factor that helps save energy.
- Slate is impervious to fungi and mold.
- Slate is sustainable, keeping five or more asphalt roofs out of a landfill, and has no environmental impact upon disposal.
- Unlike traditional slate installations, a HailFire roof is walkable.

## Specifications

	Architectural Grade	Heavy Grade	Estate Grade
Slate Colors	All Greenstone colors	All Greenstone colors	All Greenstone colors
Slate thickness	3/8" to 1/2"	1/2" to 3/4"	at least 3/4"
Weight per square	< 8 lbs/sqft	< 10 lbs/sqft	< 14 lbs/sqft
Installation*	SlateTec™	SlateTec™	SlateTec™
Walk-ability	Yes	Yes	Yes
Miami-Dade approved	Yes	Yes	Yes
ASTM rating	S-1	S-1	S-1
Slate fire resistance	100%	100%	100%
Water absorption	<0.0025 (ASTM S-1)	<0.0025 (ASTM S-1)	<0.0025 (ASTM S-1)
Impact resistance	Class 4	Class 4	Class 4
Interlayment impact resistance	Class 3	Class 3	Class 3

\*A HailFire roof can be installed using traditional installation techniques. Please contact us for details.

## HailFire Colors

HailFire is available in all Greenstone genuine Vermont slate colors. The colors are natural stone and will vary to a degree so that every slate roof is unique and has its own character. The colors are often mixed to create a certain overall hue. Count on us for advice on color blends of two more slate colors that commonly work well together. Visit [Greenstoneslate.com](http://Greenstoneslate.com) to learn more and view our project gallery!



## HailFire Videos [Greenstoneslate.com/hailfire](http://Greenstoneslate.com/hailfire)



120 MPH ice-ball cannon impact testing



Innovative and weight-saving Installation

**GREENSTONE SLATE®**  
Vermont Architectural Roofing Slate

Visit [Greenstoneslate.com](http://Greenstoneslate.com) or  
Call 800.619.4333 for more information



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