

Enviroshake[®]

Quality Engineered Roofing

The Authentic Look of Wood Shingles and Slate with Lifetime Performance.





Enviroshake can be installed for about the same price as wood shingles!

Enviroshake® is available in various colours. Our classic silvered colour starts out dark grey, but once it is installed on a roof it fades to a silvered grey, like a weathered cedar shake. The weathering process takes approximately 3-9 months depending on exposure to sunlight, the amount of tree coverage, heat, and moisture. Once weathered Enviroshake retains the “weathered” cedar appearance for the life of the product.

“Following the passage of hurricane Irene it was apparent that the winds, some of which were gusting up to 120mph had resulted in some considerable damage to numerous roofs. I am happy to say that the Enviroshake roof we installed on Bay Street was not one. The product maintained its integrity throughout the storm, both resisting the force of the wind and effective barrier against almost pressurized wind borne rain. In no small part can the success of this property to resist the elements throughout the hurricane attributed to the consistent quality performance of the product.”

**Pete Worboys, Project Manager,
John F. Dunn Nassau Bahamas.**

HEAT TRANSFER

Enviroshake also has minimal heat transfer. Due to Enviroshake’s unique special air pocket design on the backside of the Enviroshake, it offers limited heat transfer. An Enviroshake, when installed on a ½” wood deck, will only transfer 31.66% of the surface heat to the lower deck. Compared to a natural cedar shake that will transfer 39.03% of the heat imposed on it, Enviroshake permits significantly less heat transfer.

ENGINEERED PERFORMANCE, TRADITIONAL LOOK!

- Authentic wood shake look with eight natural profiles
- Classic slate look with thick sculpted edges
- Category 5 hurricane wind resistance
- Fire retardant - Class A with underlayment
- Will not rot, crack, or peel
- Mildew, moss, insect, and critter resistant
- Lower heat transfer than cedar
- Suitable for new construction or re-roofing applications
- No annual maintenance
- Does not mark (ie. Nails or branches will not mark)
- Runoff water is potable
- 30% + lower labour rates than cedar
- Eco-friendly engineering: made of 95% recycled materials



CARIBBEAN PROJECTS COMPLETED

Project Name	Location	Bldg Type
Four Seasons, Private Residence	Nevis	Resort/Residential
Baie De Sucre	Bequia	Resort
Azul Sensatori, Karisma Resorts	Jamaica	Resort
Harbour Club	St. Lucia	Resort
Calivigny Island, Petite Calivigny S. Condo	Grenada	Resort
Supreme Court Building	Nassau, Bahamas	Commercial
Tamarind Hills	Antigua	Commercial
Iberostar	Dominican Republic	Resort
Kempinski Resort	Dominica	Resort
Park Hyatt	St. Kitts	Resort
Peter Island Resort & Spa	Peter Island BVI's	Resort
Provo Air Centre, Airport	Turks & Caicos, Providenciales	Commercial
Sandy Lane Resort	Barbados	Resort
Zemi Beach	Anguilla	Resort

For a full project list, contact us.

WIND UPLIFT

Enviroshake products are so robust they can even withstand category 5 hurricane winds. Enviroshake can withstand 180 MPH (290 km/h) winds with a wind uplift pressure of -430 psf. This far exceeds the Miami Dade wind uplift requirement of 110 MPH (177 km/h).

Enviroshake has withstood winds from hurricane Maria, Irma, Thomas, Sandy, Gonzales, Typhoon Haiyan, Typhoon Josie, and others.

DURABILITY

The extreme heat and moisture in tropical climates cause wooden shakes and shingles to rot, discolor, and be more susceptible to mould, mildew, and insects.

Enviroshake has less than 2% moisture absorption, and UV-Stabilizers as well as Anti-fungicides are used in the composition, so even in highly humid climates Enviroshake products will not rot, discolor and are resistant to mould and mildew growth.

Enviroshake is maintenance free and backed by a lifetime warranty.

Enviroshake's engineered composite roofing products are some of the most durable in the industry and have a Level 4 UL2218 impact test rating, the highest level achievable.

Enviroshake has been tested by CCMC (Canadian Construction Material Certification) a third party laboratory to ASTM (American Standard Testing Method) G-53 UV Exposure, ASTM D1149 Ozone Resistance, ASTM G155 Accelerated Weathering (5000 Hour) and has passed all these tests.

POTABLE WATER USAGE

Enviroshake has completed water runoff tests conducted by a licensed third party lab, approved by the province of Ontario to conduct drinking water tests. The results showed no evidence of any bacterial contamination or leeching. The tests conclude that the runoff water from an Enviroshake roof is fit for potable water usage.

"...Congratulations on how well the Enviroshake held up on Hamilton's house. At my house on Tortola we experienced up to 200mph gusts -difficult to deal with that!"

Jon Osman, Architect BVI

(discussing his client's residence that withstood 200mph winds during Hurricane Irma)

"...Even though we lost a few shingles they obviously live up to their reputation as being the best product for hurricanes."

Paul Hamilton, Batu Residence BVI

(whose residence withstood 200mph winds during Hurricane Irma)



ENVIROCOOL®

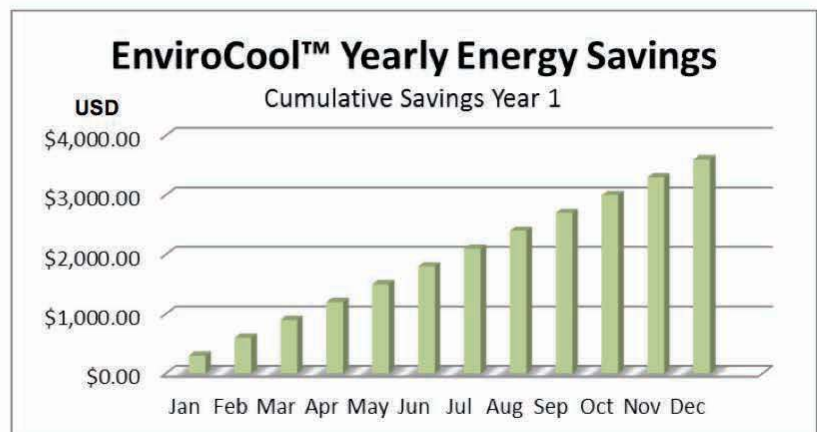
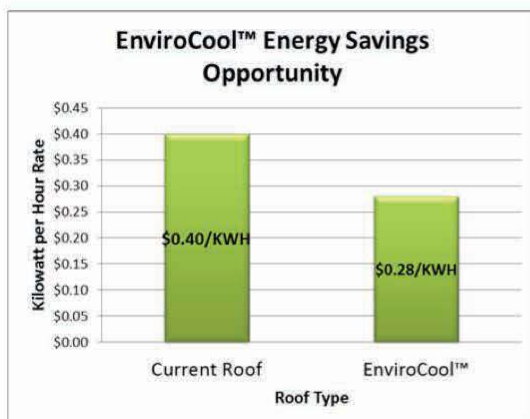
Cool Roofing products have enhanced solar-reflective properties, allowing them to reflect and emit the sun's solar energy back to the sky, rather than absorbing and transferring the heat into the building below.

The measure of the constructed surface's ability to stay cool in the sun by reflecting solar radiation and emitting thermal radiation is referred to as Solar Reflectance Index (SRI). The higher the SRI score, the less heat that is transferred into the building. To be considered a 'Cool Roof' a product must have an SRI greater than 19. EnviroCool products have a Solar Reflectivity Index (SRI) Value of 31.



BENEFITS

- EnviroCool™ has an SRI value of 31
- Energy Efficient: Cuts cost by reducing the need for air conditioning and can extend the life of cooling equipment. An EnviroCool™ roof can provide savings on household energy costs by up to 30%- Cool Roof Rating Council
- Increase Occupant Comfort: An EnviroCool™ roof can result in naturally cooler indoor temperatures.
- Reduce Carbon Emissions: Lowers CO2 and emissions by cutting back the use of fossil fuelled-generated electricity.
- Reduce Peak electric power demand
- A typical 50 Square home in Grand Cayman spends about \$1000 USD per month on cooling bills. An EnviroCool™ roof can save up to 30% of cooling costs, leading to approximately \$300 USD per month in savings.



COLOR PALETTE

ENVIROSHAKE



Silvered Cedar



Aged Cedar



Multi-Tone*
(Combination of Silvered & Aged Cedar)

ENVIROSHAKE PROFILES



Each Enviroshake® measures 12" x 20"

ENVIROCOOL



Envirocool

ENVIROSLATE



Onyx Black



Charcoal Grey



Stone Grey



Grey/Charcoal*



Sage Green



Plum Purple

*This picture is a representation of a multi-tone color option. Color combinations are custom. Additional custom colors are available upon request.

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TESTING & APPROVALS

- **Miami Dade NOA # 17-1003.17**
- **Roof Classification Test UBC 15.2** - Available Class A Fire Rating as per ASTM E 108-17
- **Wind Uplift Test** - Roof passed as per ASTM D 3161-9a passed Miami Dade at 180 MPH with a wind uplift pressure of -430 psf
- **Wind Driven Rain Test** - Modified Dade County PA 100-95 - meets performance requirements for Dynamic Pressure Water Infiltration Resistance
- **Weatherometer Test** - Meets test requirements in accordance with ASTM G155 and ASTM D 638 - when viewed by 5x magnification there was no delaminating, cracking, erosion, or chalking that would affect the performance of the shake.
- **Impact Test UL2218 Level 4** - Passed
- **Heat Transfer** - A Silvered Cedar Enviroshake® by itself when installed on a 1/2" wood deck will only have transfer 31.66% of the solar heat flow. Compared to a natural cedar shake that will transfer 39.03% of the heat imposed on it.
- **Solar Reflectivity Index** - Envirocool is a cool roofing product, with an SRI of 31

CCMC (Canadian Construction Materials Centre)

- **Registration** - #13105-R
- **Technical Guide** - available on request
- **Evaluation Report (Re-evaluated October 2017)** - available on request
- Enviroshake has been assessed by the USGBC as contributing between 1 and 2 points to LEED for homes, <4 for LEED 2009 NC, and <5 for LEED Canada NC, out of 9 available points.
- The NAHB has assessed Enviroshake as contributing 16.5 direct NGBS points.



Enviroshake®
Quality Engineered Roofing

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2001 Canadian Award of
Excellence for Innovation

