

LEED® Brochure

Enviroshake® is a composite “high tech” roofing product that replicates the look of a cedar shake but has the added benefit of performance and durability associated with **Enviroshake®** composite materials. **Enviroshake®** was founded in 1998 and is marketed in direct competition to natural cedar shakes and other premium roofing products.

Key Standard benefits vs. Traditional cedar shakes:

- Lifetime warranty
- Fire retardant and meets Class C standards with Class A available upon request
- No annual maintenance
- Hail resistant

Predominantly all of the materials (95%) used in the product are reclaimed materials. The **Enviroshake®** composite blend is a mixture of post industrial plastic(s), recycled rubber elastomers and cellulosic fibre materials. What distinguishes the **Enviroshake®** is its formulation and the process that produces this superior product. As the manufacturer, **Enviroshake®** can justifiably claim strong environmental advantages in addition to a quality product.

The **Enviroshake®** can be installed efficiently with less waste than traditional cedar, does not require any pretreatment, and once installed is maintenance free. There are no added expenses for preservatives or coatings that are recommended with wood and other products. It will retain its physical properties and look for decades.

Enviroshake® will directly divert waste materials that are not biodegradable. **Enviroshake®** is proud that its operation fulfils all the components of the 3R environmental agenda - reduce, reuse and recycle.

Enviroshake is assessed 16.5 Direct Points and 57 relevant LEED® Points

| LEED® New Construction | | | | |
|---|------------------------|--|----------------------------------|-------------------------|
| LEED® 2009 NC Credit | Total Available Points | Relevant Benefit of Enviroshake | Maximum Enviroshake Contribution | |
| | | | LEED® 2009 NC (USGBC) | LEED® Canada NC (CAGBC) |
| MRc1.1: Building Reuse | 3 | Accelerating weather testing shows Enviroshake's life expectancy to be greater than 50 years, exceeding the lifespan of conventional cedar and asphalt shingles. Its use extends the life-cycle of existing building stock and can contribute towards the reuse of existing building structures. | <1 | <1 |
| MRc2: Construction Waste Management | 2 | Enviroshake is recyclable both as scrap during installation and at the end of its service life (e.g. Enviroshake can be salvaged or recycled during demolition), and can therefore contribute to the diversion of construction debris. | <1 | <1 |
| MRc4: Recycled Content | 2 | Enviroshake's recycled content of 58% as defined in the LEED® system would contribute positively towards earning points in this credit | <1 | <1 |
| MRc5: Regional Materials | 2 | Enviroshake's constituent materials are all derived locally in relation to its Chatham manufacturing facility (Toronto, Sarnia, Holland Landing, and Simcoe), therefore projects local to these areas would qualify Enviroshake towards this credit. | <1 | <1 |
| MRc8: Durable Building | 1 | Enviroshake's relatively long service (>50 years, based on accelerated weather testing) would make its use a positive contributor towards the fulfillment of such a plan | N/A | <1 |
| Total: | 9 | Of the 9 total LEED® 2009 (NC) points which Enviroshake contributes towards, it would directly take credit for less than 4 points in a typical commercial building. | <4 | <5 |
| LEED® For Homes | | | | |
| LEED® for Homes Credit | Total Available Points | Relevant Benefit of Enviroshake | Maximum Enviroshake Contribution | |
| | | | USGBC | CAGBC |
| MR2: Environmentally Preferable Product | 8 | Enviroshake's constituent materials are all derived locally in relation to its Chatham manufacturing facility (Toronto, Sarnia, Holland Landing and Simcoe), therefore projects local to these areas would qualify Enviroshake to earn credit. | 1 | 1 |
| MR3: Waste Management | 3 | Enviroshake is recyclable both as scrap during installation and at the end of its service life (e.g. Enviroshake can be salvaged or recycled during demolition), and can therefore contribute to the diversion of construction debris. | <1 | <1 |
| Total: | 11 | Of the 11 total LEED® for homes points which Enviroshake contributes towards, it could directly take credit for between 1 and 2 points in a typical residential building. | Between 1 and 2 | Between 1 and 2 |
| National Green Building Standard (NAHB) | | | | |
| National Green Building Standard Credit | Total Available Points | Relevant Benefit of Enviroshake | Maximum Enviroshake Contribution | |
| REc603.1: Reuse of Existing Buildings | 12 | Accelerating weather testing shows Enviroshake's life expectancy to be greater than 50 years, exceeding the lifespan of conventional cedar and asphalt shingles. Enviroshake extends the life-cycle of existing buildings, and can contribute towards the reuse of existing building structures. | 4 | |
| REc604.1: Recycled-Content Building Materials | 6 | Enviroshake's 95% recycled content makes it eligible for up to 3 points. | 3 | |
| REc605.3: Recycled Construction Materials | 6 | Enviroshake at the end of its service life or from construction waste is recyclable and can therefore contribute to the off-site recycling of construction materials. | 1.5 | |
| REc606.1: Biobased Products | 8 | Enviroshake's biobased content is over 50% by volume and would therefore qualify for credit. | 3 | |
| REc607: Indigenous Materials | 10 | Enviroshake's constituent materials are all derived locally in relation to its Chatham manufacturing facility (Toronto, Sarnia, Holland Landing and Simcoe), and thus projects indigenous to these areas qualify Enviroshake to earn credit. | 2 | |
| REc609: Life Cycle Analysis | 15 | Accelerating weather testing shows Enviroshake's life expectancy to be greater than 50 years, exceeding the lifespan of conventional cedar and asphalt shingles. Enviroshake would therefore be a favourable candidate for performing an LCA. | 3 | |
| Total: | 57 | Of the 57 total NGBS points which Enviroshake contributes towards, it could directly take credit for up to 16.5 points in a typical building. | 16.5 | |